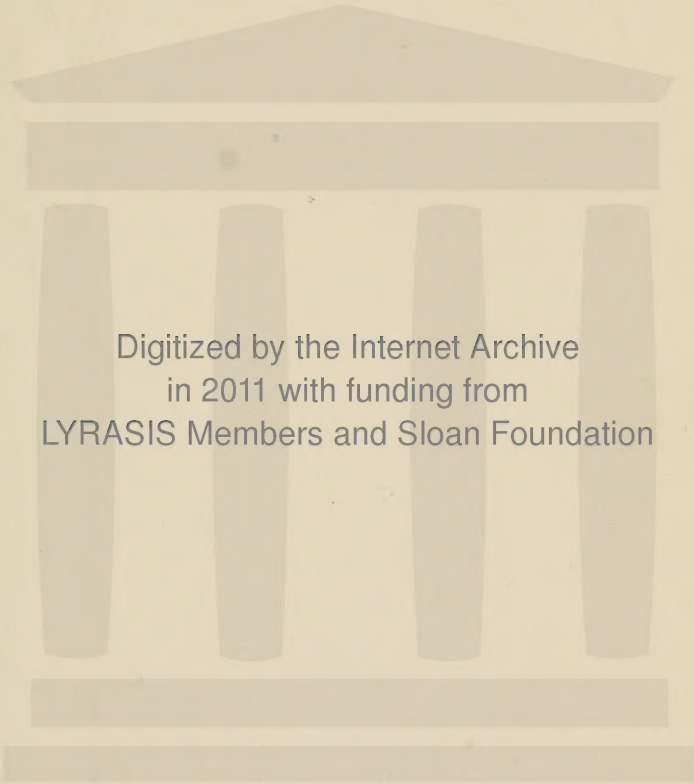

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Baltimore Mayor.

THE

MAYOR'S MESSAGE

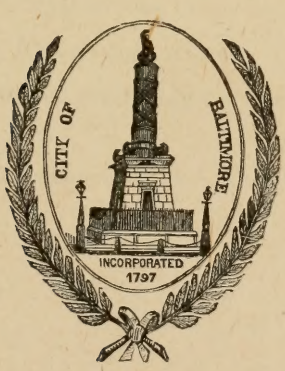
—— AND ——

REPORTS OF THE CITY OFFICERS

—— MADE TO THE ——

CITY COUNCIL OF BALTIMORE

FOR THE YEAR 1894.



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ANNUAL REPORT

OF THE

CITY COMMISSIONER

TO THE

MAYOR AND CITY COUNCIL OF BALTIMORE,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1894.

REPORT.

CITY COMMISSIONER'S OFFICE,

BALTIMORE, January 1, 1895.

To the Honorable the Mayor and City Council:

GENTLEMEN:

I herewith transmit the Annual Report of this department with accompanying sub-reports and tables for the year ending December 31, 1894.

REPAIRS OF PAVED STREETS.

This work was begun April 23, and continued in full force until October 6, 1894. The thirteen regular gangs being employed during the above-mentioned time, when the appropriation having been nearly exhausted, we were compelled to close out the general work for the year. Since which time such repairs as were most urgent have been attended to so far as the limited means at hand would admit of it.

In addition to the above there has been employed, when absolutely necessary, a gang of Belgian block pav-

ers to keep in fair condition various Belgian block streets. A gang was also employed in putting down new flag-stones and repairing old ones.

The aggregate quantity of cobble-stone repairing during the year, was 2,104,550 square feet, at a cost of 3¾ cents per square foot; linear feet of kerbing reset, 2,879; Belgian block repaving, 82,697 square feet; asphalt block repaving, 20,041 square feet; sheet asphalt repairing, 12,728 square feet; loads of sand used, 18,-968; perches of stone used, 2,652½. The amount appropriated for repairs of streets was $90,000.00, which was disbursed as follows:

Pay of workmen, superintendent, etc.	$67,518 00
Cost of Belgian block repairs	4,534 00
" asphalt " "	2,759 04
" sheet asphalt "	3,513 50
" cobblestones purchased	2,671 20
" gutterstones "	3,829 01
" sand "	2,608 90
" iron gutter-plates	200 28
" new tools and repairing old tools and hardware	662 97
" cement	55 00
" lumber, oil, lamps, advertising, etc.	1,630 20
	$89,982 50

The repairing of streets by the passenger railway companies has been fairly attended to during the year

on account of the close supervision given to the matter by this department. Many changes from horse-car tracks to electric and cable power have been made and the streets have been placed in a reasonably good condition, and I have no doubt that during the coming year much improvement in their condition will be made.

Many streets have been encumbered and traffic over them has been seriously interfered with by depositing material along them, such as Belgian and asphalt blocks, kerbing, gutterstones, etc. This might be much lessened by the renting of three or four storage lots in convenient places, where the material would be out of the way and protected from depredations. As the material is now generally placed in open lots we are required to employ watchmen for its protection or it would soon disappear.

I would remark that too much work has been forced upon this department during the past three or four years in the way of repaving streets with Belgian blocks, with the result that the cost of such work is increased thereby. There is a very limited number of men available who are skilled in such work, and, in consequence, when several streets are commenced at the same time, in order to lessen the inconvenience to business as much as possible, we are compelled to employ workmen who do not possess the skill or experience that they ought to have.

REPAIRS OF SEWERS AND INLETS.

Inlet, northeast corner of Howard and Stockholm streets.

Inlet, northeast corner of Baltimore and Gilmor streets.

Inlet, northwest corner of Central avenue and Lombard streets.

Inlet, corner of Pennsylvania avenue and Orchard street.

Inlet, corner of Central avenue and Watson street.

Inlet, northeast corner of Lexington and Arch streets.

Inlet, northwest corner of Myrtle avenue and Saratoga street.

Inlet, southeast corner of Saratoga and Arch streets.

Inlet, corner of Front and Low streets.

Inlet, corner of Central avenue and Pratt street.

Inlet, Hammond alley, rear of Exeter street.

Inlet, corner of Albemarle street and Hammond alley.

Inlet, northeast corner of Baltimore and Wolfe streets.

Inlet, northwest corner of Gough and Regester streets.

Inlet, corner of Chew and Dallas streets.

Inlet, northwest corner of Myrtle avenue and Saratoga street.

Inlet, southeast corner of Central avenue and Fawn street.

Inlet, corner of Central avenue and Jefferson street.

Inlet, corner of Central avenue and Lexington street.

Inlet, corner of Central avenue and Gough street.

Inlet, corner of Central avenue and Watson street.

Inlet, southeast corner of Hillen and East streets.

Inlet, corner of Ann and Lombard streets.

Inlet, corner of Holliday and Bath streets.

Sewer at Central avenue and Watson street.

Inlet, Eastern avenue and Albemarle street.

Inlet, corner of Lombard and Ann streets.

Inlet, corner of Broadway and Eastern avenue.

Inlet, corner of Preston and Gay streets.

Sewer, Jefferson street, between Central avenue and Eden street.

Inlet, corner of St. Paul and Read streets.

Inlet, northwest corner of Central avenue and Philpot alley.

Inlet, corner of Bond and Barnes streets.

Inlet, corner of Monument street and Central avenue.

Inlet, Greenmount avenue, near North avenue.

Inlet, corner of Broadway and Thames street.

Sewer, corner Central avenue and Bank street.

Inlet, northeast corner of Aliceanna and Regester streets.

Inlet, corner Central avenue and Jackson street.

Inlet, corner of Albemarle street and Hammond alley.

Inlet, southwest corner of Franklin and Calhoun Streets.

Inlets at corners of Central avenue and Bank street.

Inlets at corners of Albemarle and Stiles streets.

Inlet on Monument street, between Spring and Eden streets.

Inlet, southwest corner of Pratt and Mill streets.

Inlet in front of Nos. 1414 to 1418 east Monument street.

Inlet, northeast corner of Broadway and Lombard streets.

Inlet, Eden street near Lancaster street.

Sewer on Castle street near Eager street.

Sewer at Castle street and Eastern avenue.

Inlet on Eager street, between Washington and Castle streets.

Inlet on Central avenue, south of Lexington street.

Inlet, northwest corner of Central avenue and Bank street.

Inlet, southwest corner of Fremont and Eislen streets.

Inlet, northeast corner of North avenue and Chester street.

Sewer, Arch and Raborg streets.

Inlet on Pratt street, between Central avenue and Eden street.

Inlet, corner of Franklin and Pearl streets.

Inlet, corner of Pratt street and Arlington avenue.

Inlet, St. Peter street, near Fremont avenue.

Inlet, Baltimore street and Market Space.

Inlet, Hanover and Lombard streets.

Inlet, Calhoun and Lanvale streets.

Inlet, Pennsylvania avenue, opposite Pearl street.

Inlet, Broadway and Lancaster street.

Inlet, Bath and Front streets.

Inlet, Lanvale and Calhoun streets.

Sewer, Eden street, below Lancaster street.

Sewer, Centre Market Space.

Inlet, Pennsylvania avenue and St. Mary's street.

Sewer in Shield's alley.

Inlet, Exeter street and Hammond alley.

Sewer, Preston street and Park avenue.

Sewer, Baltimore street and Central avenue.

Inlet, Southeast corner of Fairmount avenue and Wolfe street.

Inlet, Southwest corner of Monument street and Central avenue.

Inlet, southwest corner of Harrison and Gay streets.

Inlet, northeast corner of Central avenue and Gough street.

Inlet, Foster avenue, between Luzerne street and Glover alley.

Inlet, corner of Central avenue and High alley.

Inlet, northeast corner of Calvert and Pratt streets.

Sewer, corner of Albemarle street and Hammond alley.

Inlet, corner Columbia avenue and Stockholm street.

Inlet, cor Pratt and Eden streets.

Inlet, corner Central avenue and Philpot alley.

Sewer, south side of Baltimore street, at Gilmor street.

Sewer, Franklin street and Gravel alley.

Sewer, Franklin street, near Courtland street.

Inlet, in front of 1600 North Broadway.

Inlet, southeast corner of Davis and Bath streets.

Sewer, Russell street, near Bush street.

Inlet, northeast corner of Fremont and Portland streets.

Inlet at foot of Scott street.

Inlet in front of 1416 East Monument street.

Inlet, northwest corner of Central avenue and Baltimore street.

Inlet, corner of Low and Forrest streets.

Inlet, corner of Hillen and Forrest streets.

Inlet in front of 418 South Central avenue.

Inlet, southeast corner of Saratoga and Arch streets.

Report of Bridge Engineer.

Baltimore, January 1, 1895.

Capt. A. E. Smyrk, *City Commissioner:*

Captain:

Below please find my report for the year closing December 31, 1894, upon the following city bridges, viz.:

North-avenue bridge, over Jones' Falls, etc.
Maryland-avenue bridge, over Jones' Falls.
Barre-street bridge, over Belt Railroad.
Columbia-avenue bridge, over Gwynn's Falls.
Edmondson-avenue bridge, over Potomac Railroad.
North Monroe-street bridge, over Baltimore and Potomac and Western Maryland Railroads.
Block-street draw-bridge, over Jones' Falls.
Ramsay-street bridge, over Gwynn's Run.
Bridge floors and repairs.

NORTH-AVENUE BRIDGE.

Referring to my report for 1893, I would state that the year 1894 opened with the west abutment, west

pier and east pier all completed up to the spring line of the arches, the excavation for foundation of east abutment was well underway, much of the falsework to carry the arches during erection was in place, and the regrading for and shifting of steam railroad tracks under the east arch was nearly completed.

The falsework construction continued throughout the cold weather, and on March 24, stone laying began on the exposed bed-rock in the foundation of the east abutment. Stone setting in the arches began April 2, under inspection of Darby Thompson and Charles H. Myers, both well-known master stonemasons, the latter being also a master cutter with more particular charge of the inspection of stone and cutting on the ground and at the quarries.

The brickwork began April 5, under inspection of John W. Ringrose and John D. Hammond, both well know master bricklayers, while the inspection of the brick, sand, cement, etc., as they came on the work was done by Wm. F. Connolly, assisted by Watchman L. T. Wilburn, and the whole work was under the immediate supervision of Assistant Engineer, J. H. Milburn.

When beginning the bricklaying on April 5, the contractors served the brick and mortar to the bricklayers in wheelbarrows, arm boards, buckets and hods, and on April 6, I notified them verbally that under

the labor clause of Ordinance No. 107, of May 1, 1893, they must employ Union hodcarriers to carry their hods. They verbally replied that they had ceased to use hods as their two days' trial had shown them to be less suitable to the work in hand than other vessels.

On April 17 Edwin Harvie Smith, counsellor for the Hodcarriers' Union, notified me in writing that the contractors were employing non-union hodcarriers and I sent a copy of this to the contractors with my official letter instructing them to cease such employment, to which they replied that no hods were in use and therefore no hodcarriers of any kind were employed, a statement which I knew to be correct. A few days later Counsellor Smith petitioned the court for a mandamus to compel me to perform what he alleged was my duty under the ordinance, viz., to declare the contract forfeited, and on June 16 the Court dismissed the petition and declared that the union labor clause of the ordinance was invalid under the Fourteenth Amendment to the Federal Constitution.

In the meanwhile the contractors had their forces well organized and equipped and were proceeding rapidly with the arching. On August 15 the first ring of brick and stone was closed and keyed over the third arch, and on September 11 the second ring was closed and keyed, thus completing all the arching above the spring lines in all three spans, and on October 22 the

spandrels and concrete filling up to tops of arches were completed. The work done in this six and three-quarter months included 1,543 cubic yards of radial-cut marble ringstones, 670 cubic yards of square-cut marble spandrels, 16,335 cubic yards brick work (set in mortar containing 10,500 barrels of "Porta" brand Portland cement) and 6,265 cubic yards of concrete.

On November 5 began work of lowering centres, and on November 15 all three arches were entirely free of bearing on centres. These centres, containing 1,390,000 square feet of lumber, are now, December 31, entirely removed, and the work of removing the foundation piles and other debris is nearly completed.

The arches subsided with great uniformity as the centres were drawn, the settlement in all three arches measuring between $\frac{1}{2}$ and $\frac{3}{4}$ of an inch, and in this connection I add that the two end arches in "London Bridge" of similar span and rise (130 feet and 26 feet settled $1\frac{3}{8}$ inches; the two of 140 feet settled $2\frac{1}{4}$ inches, and the centre span of 150 feet settled $2\frac{1}{2}$ inches.

In order that the condition of our bridge as regards its completion may be understood I include the following table, showing each classification in the original estimate, the actual amount required as shown by developments as the work progressed, the amount of each class completed December 31, 1894, and the amount remaining to be completed on that date:

Class.	Estimated.			Actual.			Completed Dec. 31.			To Be Completed.		
	Quantity.	Price.	Amount.	Quantity.	Price.	Amount.	Quantity.	Price.	Amount.	Quantity.	Price.	Amount.
West abutment	3,300	$8 00	$26,400	3,538	$8 00	$28,304	3,538	$8 00	$28,154	Pointing.		$150
West abutment, rear wall	250	8 00	2,000	247	8 00	1,976	247	8 00	1,976			
East abutment	575	12 00	6,900	505	12 00	6,060	505	12 00	6,060			
East abutment, side wall	60	8 00	480	47.9	8 00	383 20	47.9	8 00	383 20			
East abutment, coping	40	30 00	1,200	37.3	30 00	1,119	37.3	30 00	1,119			
Piers	4,360	10 00	43,600	5,270	10 00	52,700	5,270	10 00	52,700			
Piers, coping	270	25 00	6,750	248	25 00	6,200	248	25 00	6,200			
Ring-stone	1,425	13 00	18,525	1,543	13 00	20,059	1,543	13 00	20,059			
Spandrel-stone	1,360	12 00	16,320	1,100	12 00	13,200	670	12 00	8,040	430	$12 00	5,160
Spandrel coping	180	22 00	3,960	179	22 00	3,938				179	22 00	3,938
Brick	16,190	9 00	145,710	16,335	9 00	147,015	16,335	9 00	147,015			
Concrete	5,500	3 00	16,500	6,265	3 00	18,795	6,265	3 00	18,795			
Gravel in place	7,000	1 50	10,500	5,350	1 50	8,025	2,000	1 50	3,000	3,350	1 50	5,025
Gravel delivered							2,000	50	1,000	Deduct.		1,000
	M.			M.			M.					
False work	1,350	37 00	49,950	1,390	37 00	51,430	1,390	37 00	51,430			
Sewer work			2,500			2,500			1,901 44			598 56
			$351,295			$361,704 20			$347,832 64			$13,871 56
Staff, etc.			10,705			12,167 18			11,298 18			869 18
			$362,000			$373,871 38			$359,130 82			$14,740 74

The original estimate equaled the $341,000 appropriated added to the $9,000 to be paid by the Water Department and the $9,000 and $3,000 to be paid by the Belt Railroad, and of these amounts the Water Department has paid its share, making $350,000 available, but the Belt Railroad's share cannot be collected until the work is completed.

Of the $350,000 available, there has been paid in cash for staff expenses, including repairs, maintenance, etc., of temporary bridge approaches, etc., $11,298.18, and on account of other items $305,123.38, and $30,856.06 is held back for payment on final estimate, and there is $2,722.38 on hand.

There are outstanding and overdue estimates on work done during October, November and December amounting to $12,003.20, of which 10 per cent. goes into the reserve, leaving $10,802.88 overdue in cash, to meet which there is now before Council a resolution to transfer $4,000 and $6,000 to this account from Edmondson-avenue and Columbia-avenue bridges.

The amount required to complete the bridge ready for the paving and balustrade as shown on the table is $14,740.74, which is the actual excess over the estimate, and Council will be asked to appropriate this in time for its use next spring.

The vexatious delays that have attended the construc-

tion of the west approach to this important bridge make it advisable that I should briefly state the following important points relating to the subject:

Ordinance 83, of May 14, 1890, prescribes as part of the terms under which the Baltimore Belt Railroad receives permit to construct its railroad through the city, that the City Commissioner is authorized and directed to raise and reconstruct the North-avenue bridge and its approaches in accordance with plans to be prepared by him, and the expense of constructing these approaches, and of any increase in cost of the new bridge by reason of its increased height shall be paid to the city by the Belt Railroad Company.

On March 11, 1892, after much planning and estimating by Chief Engineer Samuel Rea, of the Belt Railroad, and myself, I acting as your engineer, wrote Mr. Rea that I would in the event of his agreeing thereto, recommend to you to close the matter upon the basis that the Baltimore Belt Railroad should at its own proper cost and expense, and under the plans, inspection and direction of the City Commissioner, construct the approaches including all necessary filling or embankment and the wing or retaining walls that may be required to contain such embankment and prevent its overflow in any direction outside of the 100 feet width of the avenue, with the proviso that the coincident filling up of adjoining property to the new level of the avenue would be accepted instead of retaining walls.

I also enclosed a blue print of the plan agreed upon, but took the precaution to state that it was only a "preliminary" showing general design; this plan shows the Belt Railroad and the Northern Central Railroad each having only two tracks crossing the avenue, and it also shows a retaining wall on the north side of the avenue only, between the tracks of the two railroads. On the south side there is a wing wall over the portal of the Potomac tunnel, but no retaining wall, it being Mr. Rea's opinion that he could arrange to fill up the adjoining property. The estimated cost of executing this plan was $92,000, and, as Mr. Rea preferred to do the work himself rather than pay this much money to the city for it, he wrote me in reply March 13, agreeing to close matters on this basis, and suggested that the understanding was to be embodied in an ordinance which should be agreed upon between the law officers of the respective parties.

I took the matter at once to City Solicitor Hammond, who drew up an ordinance, which I took to Counsellor Cross, of the Belt Railroad, who interlined it and laid it over until the return of Counsellor Cowen. I went over the matter with Mr. Cowen, who interlined it some more, and as thus interlined it became Ordinance No. 80, of May 11, 1891.

Mr. Rea resigned before the right to fill up these adjoining properties was secured. The North Baltimore

Railroad Company was purchased by the Traction Company, the Northern Central Railroad Company purchased the Lord & Andrews' property, while the Philadelphia, Wilmington and Baltimore Railroad began building a power-house for tunnel ventilation, and none of these parties wanted their properties filled up to the new level of the avenue, thus making the use of retaining walls necessary along both sides of North avenue and McMechen street, with an especially expensive piece of reinforcing to do where the tunnel curves out from under the avenue to the portal.

Richard Randolph, who succeeded Mr. Rea as Chief Engineer of the Belt Railroad, desired to construct four tracks instead of two, and to accommodate these extra tracks I shifted the location of the main bridge, and also on June 15, 1892, I wrote him enclosing print of general design for the whole work and of details for the west approach, showing retaining walls on both sides, but leaving untouched the question of foundations for these walls until actual work should develop the requirements.

After a conference on the ground between Chief Engineer Richards and General Agent Wilkins of the Pennsylvania Railroad, a general understanding about what was necessary to reinforce the section of tunnel east of the Bolton tracks was reached, and on August 5, 1892, the Belt Railroad Company, started to execute this por-

tion of its agreement by excavating over the Potomac tunnel, and they stopped again on the 15th.

August 20, 1892, William T. Manning succeeded Mr. Randolph as Chief Engineer, and on September 29, under authority from the Mayor and yourself, I closed with the Belt Railroad to construct the west abutment of our main bridge at $8.00 per cubic yard and wait for their money, this low price being by reason of our work bonding into the approach work and being all done together, and on October 4 the work recommenced and continued properly until the spring of 1893, when they discontinued work on the approach presumably on account of the financial stringency.

December 27, 1893, at his request, I called on Mr. Thomas M. King, Managing Director of the Belt Railroad, who asked whether they could use steel instead of masonry and filling for this approach. I told him that this would involve his wasting the most of the money he had already spent on reinforcing the Potomac tunnel, but I would make steel plans for his engineers to figure on. On June 22, 1894, I sent plans using steel from the west abutment to McMechen street.

July 6, 1894, the Belt people laid two tracks across North avenue under proper permits, these tracks being on a temporary grade three feet above permanent grade, and the permit reading that they are not to be lowered

to permanent grade until girders are put in to carry the Bolton tracks over the Potomac tunnel.

August 23, 1894, by appointment I met Messrs. King and Manning on the ground, and Mr. King instructed Mr. Manning to reach an agreement with me as to plan and programme and push the work vigorously, and on August 24th he also assured Mayor Latrobe in my presence that, although he was going abroad, there would be no more delays. September 10th, Mr. Manning sent me plans dated 7th, for moving west end of steel approach from McMechen street to west side of Bolton tracks, and on same day I wrote him that my assistant, Mr. Milburn, had reported him as expressing an opinion that the Belt Railroad ought to get a refund of the money already spent in the masonry if steel was used, and begged to say that if we allowed him to use steel it would be a distinct concession to his views, and only made on the basis of his standing any loss involved; otherwise he must revert to the masonry plan, and on this basis I would approve the steel plan for which I sent him revised plans on the 11th embodying the changes as per his plan of 7th.

On September 20 I met at Union Station General Agent Wilkins and Chief Engineer Richards, of the Pennsylvania Railroad, but Mr. Manning was represented by his assistant, although he had called the meeting. Mr. Richards stated that as his Potomac

tunnel was built for only its present covering of six to ten feet of earth he would require it to be reinforced before fifteen or twenty feet more earth was piled on top of it, and, as they were contemplating its enlargement, he would prefer that the approach should be steel all the way west.

September 24 Mr. Manning and Contractor McCabe called at my house (I being sick), and together we agreed on outlines for a masonry plan, and on October 2, 1894, I met Messrs. Wilkins, Richards and Manning by appointment and we reached a verbal agreement, which I embodied in a plan and handed to Mr. Manning October 4. He confirmed it as being in accord with our verbal agreement, and on October 6 I sent it through Mr. Wilkins to Mr. Richards, who returned it to me October 15 with several additional requirements, to which Mr. Manning declined to accede.

November 1, 1894, after several efforts to reach an understanding, I met the Pennsylvania Railroad officers again and arranged a plan involving some concessions within safe limits, and upon the return of Mr. Manning (who could not be present on the 1st) I sent him the revised drawing with request to put his contractor to work at once. He did not do this, and after interviews on the 15th and 17th he handed me on the 19th a sketch of a change in plan he desired to make. He also stated that the cost of the work, by reason of the retaining

walls, tunnel reinforcements, etc., was so much increased over the original estimate of $92,000 that he must submit the whole matter again to his executive, and that I would receive an official letter in a day or two. He then left town.

December 3 I told him that Mr. Richards and I both agreed to his last proposed change, and I again urged his beginning work. On December 11 I talked over the matter with Mr. King, who promised to give it definite attention in one week. December 19 he again postponed it, and at request of Mayor Latrobe I wrote out a short statement of the matter, which his Honor used in a communication to President Charles F. Mayer.

I have been told by many members of City Council, also officially notified by the Federation of Labor, that in passing the ordinance for a masonry bridge they meant the whole structure to be of masonry, and it is my duty to say that it has been suggested by the Belt people that inasmuch as this west approach relieves the city of the dangerous grade crossing over the Bolton tracks of the Northern Central Railroad, the city might in equity pay for a portion of the cost, and also that the ordinance of May 11, 1891, limited their expenditure to $92,000 on this approach. A temporary wooden approach has also been suggested, leaving the masonry and filling to be done later.

MARYLAND-AVENUE BRIDGE.

This bridge, which was stated in my last report as being under construction, was completed and accepted in May, 1894.

The total cost of this bridge was $14,718.31, of which $13,489 was paid to the contractor, the Pennsylvania Steel Company, and $1,229.31 was for extra work on approach, staff expenses, etc.

The sum of $5,000 was transferred from this bridge to account of Ramsay-street bridge, and there is a balance on hand of $281.69, making up the total appropriation of $20,000.

The irons of the old bridge were sold to the highest bidder after advertising for $624.65.

BARRE-STREET BRIDGE.

This is one of the bridges to be built by the Belt Railroad, and the finished steel materials for it, fashioned upon plans approved by me, have been piled up in Mount Clare yards for many months, while the public is confined to the use of a wooden bridge less than half the width of the street. This condition of affairs is the result of inaction on the part of the Belt people, who desire to change the plan of the structure to include an overhead crossing of all their Camden Station

tracks, but they refrain from bringing up the subject for action. What remedy we have, if any, and how long we will wait before applying it, is now under consideration.

COLUMBIA-AVENUE BRIDGE.

Ordinance No. 64, of May 4, 1894, appropriates $27,000 to rebuild the Columbia-avenue bridge over Gwynn's Falls, and I soon found that nobody knew anything about the city rights at that point. The county and city line was stated to be the west bank of the stream, which had shifted considerably. The city and county had succeeded to the rights of the chartered Turnpike Company, and after much search and excavation, an "iron bolt let into a rock" was found four feet under the mud, but surveys run from it didn't fit the actual position of the old bridge or the turnpike, and in 1886-87 the city had condemned the avenue to the east side of the falls instead of the west side, and on a line that didn't fit any other line.

I located the new bridge so as to parallel the old one and enable us to build half of it before removing the old work and thus not interfere with traffic, and by extending the span length we got within the condemnation lines of 1886–7, and also, with the consent of the County Commissioners and a property owner, we laid within the old turnpike survey on the county side, but the cost of surveys, examinations and other staff work has been large.

September 20, 1894, the following bids were opened, viz.:

Youngstown Bridge Company	$16,279
Jones, Pollard & Co	16,800
Campbell–Zell Company	16,987
Pennsylvania Steel Company	17,735
Penn Bridge Company	17,984
Andrew Brown	19,940

And on September 29, 1894, the contract was signed by the Youngstown Bridge Company, with the Fidelity and Deposit Company of Maryland as bondsman to complete the work in five months for $16,279.

They began work with reasonable promptness and have continued it to date, with some serious interruptions from bad weather, and the indications are that they will be a month or more behind time. The city's inspector on this work is Charles H. Myers.

The County Commissioners are regrading their end of the road, and we have raised our end two feet more than originally intended, in order to meet the views of many of our citizens who requested it.

EDMONDSON-AVENUE BRIDGE.

Ordinance No. 73, of April 10, 1893, appropriated $30,000 with which to remove the old bridge over the Baltimore and Potomac Railroad, on the line of Edmond-

son avenue, and to replace it with a new bridge of the full width, 100 feet, of the avenue and long enough to span the railroad right of way and rest on the property of the city, but with the proviso that the trusses and such other portions of the old Baltimore-street bridge as could be used should be put into the new bridge.

There had been several dedications and deeds of property made at different times with a view to straightening out the avenue and parking a portion of it, and a great deal of costly work in surveys, drawings, etc., had to be done to meet the calls of the Council Committee. Also a great deal of complicated work on specifications and drawings to enable us to use the old bridge materials and yet fulfill the conditions of the ordinance as to length and width of bridge, etc., and the work was postponed by the financial stringency in 1893–4.

May 7, 1894, the following bids were opened, viz.:

Youngstown Bridge Company	$21,194
R. H. Hood	22,970
Campbell–Zell Company	24,997
Sanford & Brooks	26,925

And on May 21 the contract was signed by the Youngstown Bridge Company, with E. J. Codd as bondsman, the work to be completed in six months to such a point as would enable the public to use the whole width of the bridge, whether minor details were completed or not.

Work on the substructure began promptly and continued promptly up to the point where half of the old bridge was removed and half the new masonry was built, but work on the superstructure was delayed by many causes, such as the making of defective castings and delays in recasting to replace condemnations at Lacy's foundry in this city, and delays of the Traction Company in shifting tracks to the north roading of the new bridge after it was finally ready to receive them.

The time for completion of the bridge has expired and one roading and one sidewalk have been in use by the public since October 22. On December 31, 1894, one-half the remaining masonry is finished and the remaining portion under way. With any reasonable amount of good weather the entire bridge can be completed by March 20, 1895, and if the avenue east of the bridge should be filled up to a proper grade the improvement of the neighborhood will be very great. The new bridge puts the railway tracks in separate spaces and leaves the public two wide footways and two wide driveways entirely free of tracks. The city inspector on this work is James Coulson.

NORTH MONROE-STREET BRIDGE.

Referring to my last year's report, I state further that all work under Ordinance No. 93, of April 24, 1893, except that of surveys, plans and specifications was stopped by the financial stringency.

September 19, 1894, the following bids were opened, viz.:

Jones, Pollard & Co.	$19,700 00
Youngstown Bridge Company	19,994 00
Campbell-Zell Company	21,855 65
Pennsylvania Steel Company	22,925 00
Penn Bridge Company	22,927 00
Andrew Brown	23,764 40

And on October 6, 1894, the contract was signed by Jones, Pollard & Co., with the Fidelity and Deposit Company of Maryland as bondsman, to complete the work in four months for $19,700. They began work promptly and have continued it, with serious interruptions on account of bad weather, and the indications are that they will finish about a month behind time. The city's inspector is B. McMahon.

The Baltimore and Potomac Railroad pays 52 per cent. of the cost of this bridge, and we are using some old pier columns out of old North-avenue bridge.

BLOCK-STREET DRAW-BRIDGE.

The condition of this bridge became so bad that the Council, by Resolution No. 162, of April 23, 1894, appropriated $4,000 out of the levy to be expended in its repairs, and May 21 Council ordered that the work be done by day's labor. Lumber to be delivered as called for was awarded, May 22, to P. M. Womble, lowest

bidder, after due advertisement, and Frederick Burger, recommended for the place by Councilman Hanson P. Barnes and many others, was put in charge as foreman.

The turning of the draw had been frequently interrupted by the breakage of the one-inch wire rope or the bursting of the inlet water pipes, and on these occasions the hand-power rig had to be put on and two extra men hired to turn the draw. We first had a one and one-quarter-inch wire rope and new grooved wheels put in by the Campbell–Zell Company, who had some suitable patterns, at a cost for materials and labor of $290.14, and we also had new valve stems, inlet pipe, etc., including dredging, put in by Snowden & Cowman, who also had suitable patterns, at a cost of $554.42 for materials, labor, etc., and I directed the foreman to call on E. J. Codd Company, John C. Froehlich & Co. and Morton Reed & Co. for all his bolts, fittings, cuttings, etc., as required, for all of which E. J. Codd Company's bills amount to $471.71, John C. Froehlich & Co.'s bills amount to $15.75 and Morton Reed & Co.'s bills amount to $166.21. The lumber bills amount to $1,853.86, and the total pay rolls, scow hire, staff, etc., amount to $2,462.74, all of which items aggregate greatly in excess of my original approximate estimates. We found that very much more wood-work in the cribs and flooring was rotten than was apparent before we began opening the joints, and some of the stones in the cribs had already fallen into the channel.

The total appropriation for this bridge was $4,000, of which $31.31 was returned to the treasury December 31, 1894, leaving $3,968.69 spent.

The total expenditure for above items is $5,754.82, which is $1,786.14 more than the appropriation balance, and this adverse balance I have reported as a deficiency. I held back the material men and paid the labor rolls after it became apparent that there would be a deficiency.

RAMSAY-STREET BRIDGE.

Referring to my report for 1893 I have to say further that this bridge was at last completed in April of this year, and, after paying the $5,000 due the Wilkins' estate, the total cost of the work was $35,558.83. There is a balance to credit of this account of $164.62 reserved for some pointing which may be required, and old materials were sold for $203.33, which was returned to the treasury. The excessive cost of this bridge over the original estimate is due to causes stated in my report for 1893, and arose from our having to put more than one thousand yards of additional masonry in the work.

BRIDGES FLOORED AND REPAIRED.

Eastern-avenue bridge, new top floor one side.
Canton-avenue bridge, new top floor one side.
Madison-street bridge, new top floor one side.

Centre-street bridge, new top floor one side.
Columbia-avenue bridge, new top floor one side.
Boston-street bridge, new top floor one side.
Ridgely-street bridge, new top floor one side.
Eastern-avenue bridge, new top floor one side.
Preston-street bridge, new sidewalk.
North-avenue temporary bridge, new top floor.
Lombard-street bridge, repaired.
Lancaster-street bridge, repaired.
Bath-street bridge, repaired.
Chase-street bridge, repaired.
North-street bridge, repaired.
Argyle-avenue bridge, repaired.
Hillen-street bridge, repaired.
Lexington-street bridge, repaired.
Warner-street bridge, repaired.
Scott-street bridge, repaired.
Fayette-street bridge, repaired.
Loney's-lane bridge, repaired.
Merryman's-lane bridge, repaired.

Respectfully submitted,

FREDERICK H. SMITH,
Bridge Engineer.

REPORT OF

Charles P. Kahler, Assistant City Commissioner.

A. E. Smyrk, Esq., *City Commissioner:*

Sir:

I have the honor to submit the following report, showing the location and nature of the work done during the past year on the various sewers, etc., under my charge and supervision.

The accompanying table, furnished from the records of the Weather Bureau in this city, *shows* the *amount* of *rain* which fell the past year.

1894.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Number of days.	12	15	8	12	18	11	9	8	10	11	9	11	134
Number of inches.	1.46	3.53	1.19	3.80	7.26	3.29	1.73	1.41	4.75	3.80	1.98	4.12	38.32

NEW SEWERS, ETC.

The work done in accordance with the ordinances and resolutions of the Mayor and City Council is as follows:

BUSH-STREET SEWER.

This sewer extends from Ranstead's dock, at the headwaters of the Middle Branch of the Patapsco River, northwesterly in the bed of Bush street to James street, at a point where Calhoun street, if it were extended south from the north side of the Baltimore and Ohio Railroad tracks, would intersect James street; thence northerly in the line of said Calhoun street to Herkimer street; thence northeasterly in the bed of Herkimer street to Wooster or Carey street; thence northerly to connect with the old Schroeder's Run sewer at the south side of the Baltimore and Ohio Railroad in Carey street.

It has been completed with the exception of the wing walls at its outfall and the connection in Carey street at the south side of the Baltimore and Ohio Railroad bridge over said street, and the topping out of the manholes.

It consists of three sections; the first having a span of 25 feet wide by 9 feet high, 2,096½ feet long; the second having a span of 19 feet wide by 10 feet high, 1,208 feet long; and the third having a span of 17 feet wide by 10 feet high, 1,721½ feet long, making a total length of 5,026 feet. A full description of piling, timber platform, etc., for the foundation of the first section, as well as the troubles and difficulties overcome and the manner of providing for the water encountered in all the sections of this work, both in the trench and

Carroll's Run, was given in the annual report of this department for the year 1892.

A full description of the traveling derrick used in constructing the abutments of the first section, as well as a description of the connection, six feet six inches in diameter, to receive the waters of Carroll's Run, was given in the annual report for the year 1893. The first section at the water-front consists of two stone abutments seven feet thick with the skew-back stone for the arch set thereon, and four feet high to the springing line of the arch. They are built on a timber platform, thirty-nine feet wide, consisting of 6x12 inch Georgia pine laid and bolted to eight rows of 12x12 inch sills resting on and bolted to the piles.

On these abutments the arch, consisting of five rings of bricks 22½ inches thick, is built in the form of a segment of a circle, having a radius of 18 feet 1½ inches. It was backed up with sufficient masonry to sustain it; all being laid in good hydraulic cement.

A rubble-stone cradle laid in good hydraulic cement was constructed in the second and third sections for the inverts.

The invert in the second section to heights of two feet three inches, and in the third to the height of two feet above the grade line of the sewer, consists of granite blocks, nine inches thick, laid in the best Portland cement.

The balance of the inverts of both sections are of brick, two rings, nine inches thick, laid in good hydraulic cement.

The arches are of brick, 4 rings, 18 inches thick and backed up with sufficient rubble masonry to prevent their giving way or settling, all being laid in good hydraulic cement.

There have been constructed 29 openings in this sewer for inlet connections and for lateral branch sewers. These openings were built at the intersection of each cross street. There were also ten man-holes constructed.

The connecting of the new sewer with the old Schroeder's Run sewer in Carey street, so far, has been a difficult and dangerous piece of work. The old sewer had to be torn out for a distance of 56 feet on the curve. Tearing this out and building the new work and its foundations, with the heavy flow of water from the old sewer through it, has made it more difficult and costly than would have been the case had not these conditions been encountered.

PENN-STREET SEWER.

This section of sewer is located in Penn street, between Columbia avenue and Dover street. The fifty-five feet as well as other work connected therewith remaining

unfinished at the time of making the last annual report has been completed. A full description of most of this work and the difficulties encountered in its construction was given in last year's annual report. It is 690 feet long,with an average grade of seven hundred and ninety-seven thousandths feet per 100 feet. The bottom, having the form of an inverted arch, rises six inches from the centre to the abutments, and consists of granite blocks nine inches deep, laid in the best Portland cement on a bed of concrete from six to twelve inches deep, according to the character of the soil. The abutments, consisting of good rubble-stone masonry laid in the best American hydraulic cement, are constructed four feet ten inches thick to a height of six and one-half inches above the block bottom. The balance of the abutments, four feet one inch thick, are constructed of good rubble-stone masonry to the spring line of the arch, it being at a height of one foot six and one-half inches above the block bottom, leaving an off-set of nine inches back from the face of the abutment on which to build a brick lining. This brick lining was constructed to save dressed stone, and at the same time present a smoother surface to the water. The arch is semi-elliptical, having a span of eighteen feet, with a rise of two feet eleven inches above the spring line, and consists of four rings of brick, eighteen inches thick, laid in the best hydraulic cement, and backed up with sufficient rubble-stone masonry to sustain it. Inlets were constructed into it as follows: One at the north side of Columbia avenue, one on the

east side of Fremont avenue, one at Bankard lane, four at Haw street, two at Portland street, one at Dover street, and two at Pratt street.

Difficulties were encountered in the construction of this work on account of the heavy flow of water in some parts of it from the old Chatsworth Run. Notwithstanding this the limited space between the houses and the bad material through which it had to be constructed (it being very springy and containing a considerable amount of mica) the work was successfully completed without accident. The grade of Penn street was raised from Dover street south to the south side of Haw street, a distance of 350 feet, as follows: At Portland street, $1\frac{3}{100}$ feet; at Haw street, $2\frac{16}{100}$ feet, and at Bankard lane, 3.0 feet. Portland street was raised for a distance of 120 feet east and 189 feet west from Penn street. Haw street was raised for a distance of 50 feet east and 170 feet west from Penn street, and Bankard lane was raised for a distance of 45 feet east and 30 feet west from Penn street.

All these streets were repaved, the kerbs reset and sidewalks readjusted thereon for the distances above specified.

Penn street, south from the south side of Haw street to the intersection of the north kerb of Columbia avenue with the northeast kerb of Fremont avenue, a dis-

tance of 366 feet, was filled to the above grade. The completion of this section of sewer, with the exception of the Alluvion-street sewer, completes the Chatsworth Run system south of Baltimore street, and relieves a section of the city which for years has been subject to floods and in which some of the property was almost valueless on that account. It has already demonstrated that it will meet all the requirements of the situation.

FREMONT-AVENUE SEWER.

This sewer is being constructed northwesterly in Fremont avenue from the end of the old sewer, ending in Fremont avenue at the north side of Pratt street.

The section of the new sewer, 5 feet in diameter, has been completed northwesterly in the bed of Fremont avenue for a distance of 1,031 feet, to a point southeasterly 77 feet from the south kerb of Baltimore street.

The excavation for this sewer averages 16 feet below the surface of the street. The material in this trench consisted of sand interspersed with thin stratas of clay. The soil a few feet below the surface of the street is filled with water and formed what is known as running sand. This required very careful timbering and the caulking of many of the joints in it to prevent the material from running through the joints between the timbers.

In consequence of the soft character of the material in the bottom of the excavation it was necessary to build a strong rubble-stone cradle, laid in good hydraulic cement, in which to construct the sewer. The sewer is circular in shape, with a granite block bottom, and is built in the same manner as sewers of this character described in previous reports.

In making the excavation for this sewer, considerable trouble was occasioned by the gas and water-mains encountered. A 20-inch gas-main about 6 feet below the surface, extends from Pratt street to Baltimore street and also north of it. This main was along the west side of the trench just outside of the timbers. At one point north of Lombard street it extended along about 10 inches in the west side of the trench for a distance of 35 feet; at this point it had to be swung on timbers. A 30-inch water-main had also been laid about 8 feet deep in the centre of Lombard street to the centre of Fremont avenue, and thence northwesterly in Fremont avenue to Hollins street. This main had to be passed under, as well as the double tracks of the City and Suburban Electric Railway, and also two 20-inch gas-mains 6 feet below the surface at German street. Although these difficulties were encountered, the work was successfully prosecuted through this soft, springy material filled with water, without accident of any kind.

Openings were built at each street intersection for the inlet connections.

One of Trainor's Cable System for excavating, handling the materials for the construction and refilling sewer trenches, has been used on this work, and has proved to be invaluable in handling the character of material found in the trench, fully meeting all the requirements of the situation, both as regards time and economy.

FORT-AVENUE SEWER.

This sewer is being constructed from the Port Warden's line of the Middle Branch of the Patapsco River westerly in the bed of Fort avenue to Light street, a distance of 2,750 feet.

As the old original shore line was about 203 feet back from the Port Warden's line, and the ground between these points filled in and very soft, it became necessary in order to get a secure foundation on which to build the sewer, to drive 391 piles for a distance of 181 feet to an average depth of $32\frac{7}{10}$ feet, the longest being 39 feet.

As the piles on which the timber sills are to be laid and bolted for the platform are to be cut off at their proper depth below mean tide, it became necessary to construct a coffer-dam 28 feet 8 inches wide by 96 feet long on each side. The boiler and engine and pump will be placed in position as soon as possible.

Excavation was made nearly to grade to a point 329 feet east of the Port Warden's line. From this point

each excavation was still continued and the 5-feet section of the sewer commenced and constructed for a distance of 443 feet.

FEDERAL-STREET SEWER.

This sewer has been completed. It is constructed west in the bed of Federal street from the Harford Run sewer, in the intersection of Federal and Wolfe streets, to the west side of Caroline street, a distance of 1,940 feet. It is circular in shape, and of the following dimensions: From Wolfe to Ann streets, $407\frac{55}{100}$ feet long, $4\frac{1}{2}$ feet diameter; from Ann street to Broadway, $640\frac{3}{10}$ feet long, $4\frac{1}{4}$ feet diameter; from Broadway to Bond street, $495\frac{5}{10}$ feet long, $3\frac{3}{4}$ feet diameter; from Bond to Caroline streets, $396\frac{55}{100}$ feet long, 3 feet diameter.

On account of the depth of the main sewer in Wolfe street (23 feet) a drop, with a fall of thirteen feet, had to be constructed about 60 feet west of the connection. This drop and its connections were constructed in the same substantial manner as the drops of other sewers heretofore described.

From the drop to Ann street and from Bond to Caroline streets the material through which the excavation, which averaged 13 feet deep, was made, was of an average good character. In the remaining portion, between Ann and Bond streets, a large portion of which was filled-in ground, soft material and running sand were

encountered, which required extra precautions to secure a solid foundation. To do this it was necessary to lay a timber platform of 3x12 inch Georgia pine for a distance of 250 feet, on which to construct a rubble-stone cradle. In this cradle the sewer was constructed. The invert to one-fourth of the diameter consists of granite blocks 9 inches deep, laid in the best Portland cement. The balance of the invert is of brick, 2 rings, 9 inches thick. The arch is also of brick, 2 rings, 9 inches thick; all laid in good hydraulic cement. Seven manholes and fourteen inlets were constructed, as follows: At Wolfe and Federal streets, Ann and Federal streets, Broadway and Federal street, Bond and Federal streets and Caroline and Federal streets. A considerable amount of repaving had to be done in connection with this work, especially at the intersections, as the old cross-gutters were all taken out and the street raised to meet the new conditions caused by the construction of the sewer.

NORTH AND DRUID HILL AVENUE INTERCEPTING SEWER.

This sewer when completed will furnish relief for the district drained by the old McMechen street and Druid Hill avenue sewer, and also all the district draining into North avenue as far north as Druid Hill Park, and west from Mount Royal Terrace to McCulloh street, which discharges over the surface of North avenue to Jones' Falls.

It extends from a point in the west side of Jones' Falls north of the North-avenue bridge southwesterly through the Northern Central Railway Company's property and under their tracks to the centre of the north side walk of North avenue; thence westerly in North avenue under said sidewalk to a point opposite Mount Royal avenue; thence southwesterly across North avenue, passing diagonally over the 36-inch water main, over an old stone sewer, and also under the 30-inch water main in the centre of said avenue to the south side of its driveway; thence westerly under said driveway to Park avenue; thence southerly in Park avenue to Laurens street; thence southwesterly in Laurens street to Druid Hill avenue, and thence to connect with the old Druid Hill avenue sewer.

The plans and estimates for this work were made previous to the plans for the new North-avenue bridge and the Belt Railroad.

Owing to the construction of these two large works, which were partially over the lower part of this sewer, it became necessary to change the plans and construct it a great deal stronger than would otherwise have been the case, especially westerly from the point where the south end of the heavy abutment of the Belt Railroad bridge over the Pennsylvania Railroad tracks and Jones' Falls rests on it, and along the north side of North avenue, where it will have to support a portion of the

new retaining wall of the approach to the new North-avenue bridge, westward to a point 170 feet west from the intersection of North avenue and McMechen street. In consequence of the above conditions, requiring a change of plans and stronger construction of the work, the cost was naturally increased from the original estimate.

The total length of this sewer will be about 4,480.25 feet, of which about 1,560.25 feet will be open cut and 2,920 feet in tunnel.

The section 8 feet in diameter in open cut for a distance of 1,461 feet had been completed at the time of making last year's annual report, in which it, as well as other completed work, was fully described to a point in North avenue about 65 feet east of the east building line of John street. From this point the 8 feet section has been constructed in open cut 60 feet 5 inches; thence in tunnel across and under John street 88 feet 9 inches; thence in open cut 27 feet 9 inches to the west end of a cast-iron invert 12 feet long, for the drop, which is 5 feet high, and was constructed the same as the others which have been described in previous annual reports.

West from this drop the 8 feet section was constructed 120 feet 6 inches and there connected with the 8 feet section which had already been completed in tunnel, and was described in last year's annual report. An 8

inch drain-pipe was encountered in the trench. This had to be removed to the north side of the avenue before the work could be successfully prosecuted.

As soon as the connection with the tunnel section, as above described, was made and completed, so that the volume of water from shafts Nos. 1 and 2 could pass through and the pumps be discontinued, the sections in these shafts were completed, the man-holes built and the street closed up. In consequence of the numerous heavy water and gas mains in the avenue, and the great amount of water contained in the ground, some of it being filled in, through which the excavation had to be made, and the danger of being flooded by the heavy volume of water which passed down the avenue, even in an average rain-fall, and also the heavy electric cars passing constantly close to the work, every precaution had to be taken to properly timber and secure the excacations made to prevent damage or accident. The 7 feet section in tunnel under the bed of Laurens street, through the hard material between shafts Nos. 2 and 3, was successfully completed, notwithstanding we had to pick and wedge our way through it instead of blasting.

The total distance between shafts Nos. 2 and 3 is 871 feet, of which 330 feet 2 inches were completed during the past year. West from shaft No. 3, 413 feet 9 inches have been completed, of which 283 feet 6 inches was done during the past year.

Shaft No. 4 is 688 feet 3 inches west from shaft No. 3. It is of the same dimensions as shaft No. 3, and is 28 feet deep to the bottom of the sump. The engine, pump and house are the same as were used at shaft No. 2. The excavation for this shaft was through the same character of material encountered in the tunnel east of it. The 7 feet section is constructed east of this shaft 90 feet 6 inches, and west of it 91 feet 6 inches. The character of material between shafts Nos. 2 and 4 through which the excavation was made for this work was of a decomposed schist containing numerous fissures through which water was continually discharging into the work. It was so firm that it required blasting to economically remove it, but as this had been prohibited by order of his Honor the Mayor, on account of numerous complaints made by property-holders and residents of the neighborhood, that it shook and endangered their property, threatening the city with suits on account of it.

West from shaft No. 4, the material was of a soft, sandy character, filled with water, and as a natural consequence was very heavy. We are meeting with a great deal of running sand. These conditions require extra care to be taken in timbering to prevent the material from running in the tunnel and dropping in the street overhead. The sections of sewer and mode of construction of this work has been fully described in prior reports. The following is a statement of the work done during the past year:

Shaft No. 4 sunk, machinery set and house built, one drop 5 feet fall constructed west of John street, 3 manholes, 3 inlets and their connections, 2 feet diameter, 91 feet long.

In open cut, 8 feet section		208.66 ft.
In tunnel, 8 feet section	88.75 ft.	
In tunnel, 7 feet section, between shafts 2 and 3	330.41 "	
In tunnel, 7 feet section, between shafts 3 and 4	374.00 "	
In tunnel, 7 section, west of shaft 4.	91.50 "	
	884.66 ft.	208.66 ft.
		884.66 "
Total finished in 1894		1,093.32 ft.

The following statement shows the total length of the sewer completed, a considerable portion of which has been fully described in prior reports, and also the length remaining unfinished:

In open cut, 8 feet section		1,460.12 ft.
In tunnel, 8 feet section	667.06 ft.	
In tunnel, 7 feet section	1,720.81 "	
	2,387.87 ft.	1,460.12 ft.
		2,387.87 "
Total length of sewer completed		3,847.99 ft.
" " " to be completed.		632.26 "
" " " when completed.		4,480.25 ft.

NORTH CHARLES-STREET SEWER.

This sewer when completed will extend from a point in the north side of Jones' Falls, about midway between Charles street and Maryland avenue, northeasterly through and under the Pennsylvania Railroad Company's property (right of way having kindly been granted to the city by the railroad company) to the intersection of Charles and Lanvale streets; thence north in Charles street to Twenty-third street, a distance of about 2,809 feet.

The new outfull, with the wings, having a total length of 32 feet, forms a part of the north retaining wall of Jones' Falls. The foundation was excavated to solid rock. The face of the wall consists of rock ashlar masonry, laid in courses ranging from 22 inches in height at the bottom to 12 inches at the top, and from 2 to 3 feet in depth; these were backed up with large rubble-stone varying in depth from 4 feet at the bottom to 2 feet at the top course; it was capped with coping 10 inches in thickness and 2 feet in depth. From the outfall, the section 5 feet 6 inches in diameter was constructed in a strong rubble-stone cradle in an excavation with an average depth of 10 feet through filled-in ground under the railroad company's eleven tracks, with their heavy trains constantly passing over them for a distance of 305 feet 9 inches to a point where rock was encountered. All these tracks had to be securely bridged with

heavy timbers to prevent accident. The excavation and timbering for the greater part of the trench had to be made nearly the same as by tunnel. From the above-mentioned point to the north end of the cast-iron invert at the bottom of the drop, a distance of 66 feet 3 inches, to a point in the intersection of Charles and Lanvale streets, the section was constructed in an excavation made through solid rock, all of which had to be blasted, this excavation was from 12 to 22 feet. The drop having a fall of 12 feet was constructed at this point in the same manner as similar drops heretofore described in prior reports. A 20-inch cast-iron pipe was built in the west side of this drop for a connection pipe, the inlet which takes the drainage from Morton alley and the alley west of it. From the drop the section of sewer five feet six inches in diameter is constructed in an excavation having an average depth of ten feet, a greater part of which was through rock requiring blasting for a distance of 394 feet 6 inches north in Charles street, making a total of 766 feet 6 inches of sewer, with five man-holes and three openings for inlet connections completed. There was also a twenty-inch cast iron connection 141 feet 3 inches in length laid westerly in Lanvale street to receive the drainage from Morton alley with one man-hole in it. From this point a fifteen-inch terra cotta pipe was laid for a distance of 89 feet to receive the drainage from the alley west of Morton alley. One inlet was con-

structed at Morton alley. The Baltimore City Passenger Railway Company when they changed their Charles-street line from horse cars to a cable line, constructed a vault under the street in front of their power house on the east side of Charles street, between Lanvale street and Lafayette avenue, and had the water and gas mains changed in the street to suit their work. They were notified before they commenced their work that the city intended to construct a sewer in this street, and if they constructed or changed anything in the street which would in any way interfere with the construction of this sewer they would be held liable for it, and have to pay any extra cost to the city which their work or any change of the pipes in the street might cause.

After commencing the work of constructing the sewer I found they had changed to suit their construction the water and gas mains, and the west side of their vault had been crowded over on the street, leaving a very contracted space between it and the kerb to construct the sewer. Such being the conditions, by your direction I had a consultation with their president and engineer, and after some days an agreement was entered into between the president of the railway company and the city authorities that the company would have the mains removed out of our way at their expense.

A further agreement was entered into, that in consideration of the assurance of this department that there

should be no interference in any way with the travel on their road on either track, they would pay one-third cost of a Trainor's cable system for excavating, handling the material for construction and refilling sewer trenches similar to the one used on Fremont-avenue sewer. The terms of these agreements have been fully carried out by both parties.

There has not been any interference with the travel of the railway company on either of their tracks, which has never before occurred in the construction of work of this kind in the city, as it was always necessary for them to abandon one of their tracks until the work was constructed past them.

BARCLAY-STREET SEWER.

This sewer is constructed from the end of the lateral branch of the Jenkins'-Run sewer in the intersection of Federal and Barclay streets, and extends north in Barclay street 367 feet to the intersection of Lanvale street.

The excavation to an average depth of nine feet for the work was made through filled-in ground. The sewer consists of cast-iron pipe 24 inches in diameter; it has one man-hole and two inlets with their connections, 40 feet long, the one at the northwest and the other at the northeast corner of Lanvale and Barclay streets. In connection with this work some repaving

was done at the intersection of Federal and Barclay streets, also the trench over the sewer and the intersection of Barclay and Lanvale streets had to be torn out, the old cross-gutters removed, and the intersection repaved to meet the new requirements of the situation. This sewer will effectually relieve the intersection of Barclay and Federal streets from the constant flooding it has been subject to during every heavy rainfall.

ORLEANS-STREET SEWER.

Work on this has been commenced. When completed it will extend from a point at the west side of Eden-street sewer in the intersection of Eden and Orleans streets easterly in Orleans street about 823 feet to the intersection of Orleans and Bond streets. A brick connection with the Eden-street sewer was built in the intersection of Eden and Orleans streets, on account of the depth (about seventeen feet) of the old sewer below the surface of the street, a drop of 5 feet, 3 inches was made at this point to do away with necessity of making such a deep excavation for the sewer, so far the average depth of the excavation has been 9 feet.

About 489 feet of this sewer has been completed, with the drop and one man-hole.

GREENMOUNT AVENUE AND INTERSECTION OF GREENMOUNT AND NORTH AVENUES.

In consequence of the widening and repaving of Greenmount avenue, between Lafayette and North avenues, it became necessary to tear out and remove the large old double inlet to the new west kerb line of the avenue about midway between the above-named streets.

As Greenmount avenue was at this point flooded during every heavy rain-fall, it was deemed best to lay a twenty-four-inch iron pipe connection from the old Jenkins'-Run sewer at this point, north in the west side of Greenmount avenue, 219 feet to the intersection of Greenmount and North avenues to a brick chamber 7 feet long with a man-hole constructed at this point.

Two man-holes were constructed on this line from the end of the chamber, two branch connections 20 inches in diameter were laid, the one 39 feet long to connect with the inlet constructed at the northwest corner of Greenmount and North avenues, and the other diagonally 24 feet across to the east side of Greenmount avenue to a brick chamber 7 feet long with a man-hole, and thence 48 feet long to connect with the inlet constructed at the northeast corner of said intersection.

The following resolutions of the Mayor and City Council authorizing the reconstruction and trapping of inlets were carried out:

Resolution No. 68, of March 8, 1894, to reconstruct and trap the inlet on the east side of Pennsylvania avenue in front of St. Joseph's Seminary.

Resolution No. 69, of March 8, 1894, to reconstruct and trap the inlet at the southeast corner of McKim and Eager streets.

Resolution No. 71, of March 8, 1894, for five inlets on Fulton avenue, between the Baltimore and Ohio tracks and the north side of Ramsay street, and three at the intersection of Monroe and Eagle streets.

Resolution No. 119, of March 31, 1894, two inlets at northwest and northeast corners of Monument street and Central avenue.

Resolution No. 127, of April 2, 1894, two inlets at northwest and southwest corners of West and Race streets.

Resolution No. 70, of March 8, 1894, to reconstruct and trap three inlets at the northwest and southeast corners of Franklin and Carey streets, and one on the north side of Franklin street east of Carey street.

Resolution No. 258, of June 14, 1894, two inlets at Woodyear alley and Franklin street, and two in the south side of Franklin street, between Carey and Calhoun streets.

The old gutter across Franklin street, between Carey street and Woodyear alley, was torn out at the intersection of Franklin and Carey streets, and Franklin street, between Woodyear alley and Calhoun street, was repaved in connection with the work done under the two Resolutions, 70 and 258. This improvement had removed a long standing nuisance and a situation which was liable to at any moment cause an accident.

I will again reiterate what I said in last year's annual report, that the cost of all material, the excavation, engineers, rodmen, superintendents, foreman labor—both skilled and unskilled—machinery, the cost of taking care of and the changing or removing of all water-mains and private drain pipes, the construction of man-holes, the inlets, the tearing up and altering the street intersections and repaving over the whole work; in fact everything in any way connected with the construction of the work and relieving the districts drained is counted in the cost, which would naturally make it appear greater than if only the mere cost of the construction of the sewer alone were taken.

It has been repeatedly asserted by some who do not understand the situation that we have no system and that this work is not being done with reference to any system. I will here state for the information of such persons that in accordance with the instructions received from you all the

storm-water sewers I have planned have been done with reference to a general system, and time will demonstrate if the plans are properly carried out that Baltimore has a permanent system of storm-water sewers which cannot be excelled by any city in this or any other country, both with reference to meeting all the requirements of such a system to prevent the various sections of the city from being flooded, and the strength and durability of the work to resist the wear and tear of such a system, and also the ravages of time, and which can be utilized in connection with any system for the disposal of the sewage of the city which may be adopted in the future. What work has been done has already demonstrated that it will meet all the requirements with reference to relieving the sections flooded. When I first entered this department I found no data in it bearing on this subject. There were a few old plats of some of the sewers, a few of which were only approximately correct. Whilst in the performance of the various duties required of me, at every opportunity I examined into the conditions of the various sections which were flooded during every heavy rain-fall, either on account of the inadequacy of the sewers or the want of them, and carefully noting the topography of the drainage districts in which these sections were located, visiting one or the other of them either by night or day during every heavy rain-fall and carefully noting the situation under such conditions. When the old sewers were placed under my supervision

I made a thorough examination of all of them personally, and found that I had a lot of old, badly constructed sewers and drains of all sizes and shapes, and what might more properly be called rat dens, on my hands; some of them with the bottoms washed out and in such a condition that they were liable to fall in at any time. Such being the situation, after consultation with the Commissioner it was decided that as far as the limited appropriation for repairs would permit, I should at once proceed to repair the most dangerous places, and so on continue to repair the worst places until I got them in a safe condition; this plan is being carried out and such a careful supervision has been kept over them that for several years past, although we have had some very severe rain storms, none of them have burst, which is more than can be said for other cities. I have repeatedly suggested that the city be divided into several districts, and that automatic rain-guages be placed in them, so as to accurately arrive at the maximum amount of rain falling in a given time in each of them.

The Weather Bureau in this city has had in use for several years an automatic rain-guage, and has kept the records of the rain-fall. Through the kindness of Dr. C. P. Cronk, the officer in charge, I have been able to get whatever data I required from their records, which in connection with other data and information of my own has been the basis of my calculations for the capacity of the storm-water sewers.

From the manner in which the grades of the streets have been established in some of the sections of the districts drained by sewers basins are formed into which all the drainage of these sections is concentrated, and from which there is no outlet for the water except by these sewers.

The old sewers have proved to be inadequate to prevent these sections from being flooded and causing a considerable amount of trouble and damage. I therefore based my calculations for the size of the new sewers for the relief of these sections on the area to be drained, the maximum amount of rain-fall, and also allowing a proper compensation for the grades and roughness of the surface of the streets over which the water had to pass to reach the sewer, the volume of water reaching the sewer in a given time, depending entirely on these factors. The character of the work done on the new sewers constructed to the present date needs no comment, as it speaks for itself. I can confidently say that there is no better sewer work constructed in any city in the United States.

Respectfully submitted,

CHARLES P. KAHLER,
Assistant City Commissioner.

CITY COMMISSIONER'S OFFICE,

BALTIMORE, December 31, 1894.

CAPT. A. E. SMYRK, *City Commissioner:*

SIR:

Herewith I hand you my report for the year ending December 31, 1894 of trolley and other poles erected and now standing in the city of Baltimore. There has been an increase of 1,475 poles used by the several city passenger railway companies, using electricity. I also hand you a report of the number of poles used by the several telegraph, telephone and electric light and power companies. There are a great many dead or abandoned poles standing in the streets, which should be removed, as they are not only an eyesore, but, in some cases, are dangerous. As this department has not a force of experienced men to take them down it has been impossible to do anything. I would most respectfully call your attention to the matter of stenciling or marking the poles with the names of the owner or owners. With the exception of the Chesapeake and Potomac Telephone Company, this has never been done, which is a direct violation of Section 4, of Ordinance No. 86, approved April 20, 1893. Since my report of 1893 the Baltimore Traction Company have had plans approved for the electrifying of the following lines: Ridgely street, Gilmor street and the Edmondson avenue line, from

Walbrook station to the Philadelphia road. The Central Railway had plans approved for their Druid Hill Park connection, from Fulton avenue via Clifton street to Druid Hill avenue, opposite Druid Hill Park. The Baltimore City Passenger Railway has electrified its line from Bank street and Broadway to Thames street, and the Gwynn Oak Electric Railway has been built on the Liberty road. The Baltimore City Passenger Railway Company has extended its electric railway out to the Hillen road via the Harford road. There have been 107 complaints about poles, all of which have been attended to promptly. I also append a report of the number of permits granted for new telegraph poles, and for the resetting and renewing of old trolley, telegraph and other poles.

Very respectfully submitted,

ALFRED HOLLYDAY,

General Superintendent.

SUMMARY OF TROLLEY AND OTHER RAILROAD POLES

On the lines of the various City Passenger Railroads in the city of Baltimore using electricity as a motive power, for the year ending December, 1894.

Names of Railroad Companies.	Iron Span Poles.	Wooden Span Poles.	Single Bracket Iron Poles.	Double Bracket Iron Poles.	Single Bracket Wooden Poles.	Double Bracket Wooden Poles.	Iron Poles for Feed Wires.	Wooden Poles for Feed Wires.	Wooden Poles for Guy Wires.	Iron Poles for Guy Wires.	Wooden Poles for Junction Wires.	Iron Poles for Junction Wires.	Iron Pull-off Poles.	Wooden Pull-off Poles.	Eye-bolts in Bridges and Warehouses.	Wooden Union Poles.	Total Poles, Eye-bolts, etc.
Central Railway Co	493	33	54	.....	.....	.....	.....	.....	.....	.....	2	.....	22	.....	.....	...	604
City and Suburban Railway Co	1,058	176	49	78	8	75	20	14	5	3	4	.....	36	16	3	3	1,548
Baltimore Traction Co	2,037	11	1	26	38	53	23	20	1	....	.....	1	79	11	11	...	2,312
Baltimore and Curtis Bay Co	.....	188	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	13	12	...	215
Gwynn Oak Railway Co	.....	.....	.....	.....	16	72	.....	.....	.....	.....	.....	.....	.....	2	.....	...	90
Baltimore City Passenger Railway Co.	1,115	74	5	.....	.....	10	2	.....	.....	.....	.....	.....	57	6	4	9	1,282
Lake Roland Elevated Co	258	97	12	63	79	59	1	10	4	.....	.....	.....	19	28	6	...	636
Total	4,961	579	121	167	141	269	46	44	12	3	6	1	212	76	36	12	6,687

REMARKS.

The poles on Howard street from Lombard street to Camden street, Camden street from Howard street to Paca street, Exchange Place from South street to Holliday street, Holliday street from Exchange Place to Fayette street, Fayette street from Holliday street to North street, and North and South streets from Fayette street to Exchange Place are joint poles of the Baltimore Traction Company and the City and Suburban Railway Company. These two companies also use the same poles on Biddle street from Park avenue to Maryland avenue, and on Maryland avenue from Biddle street to North avenue. The Lake Roland Elevated Company and the City and Suburban Railway Company use the same poles on North avenue from Guilford avenue to Madison avenue via temporary wooden bridge. Double bracket poles are in the centre of the streets; single bracket poles are on the sides of streets, except where there is parking in the streets, when the single bracket poles are placed on the kerb line.

REPORT OF TROLLEY AND OTHER RAILROAD POLES ON THE LINES OF THE CENTRAL RAILWAY COMPANY FOR THE YEAR ENDING DECEMBER 31, 1894.

Names of Streets, Avenues, Etc.			Iron Span Poles.	Wooden Span Poles.	Single Bracket Iron Poles.	Double Bracket Iron Poles.	Single Bracket Wooden Poles.	Double Bracket Wooden Poles.	Iron Poles for Feed Wires.	Wooden Poles for Feed Wires.	Wooden Poles for Guy Wires.	Iron Poles for Guy Wires	Wooden Poles for Junction Wires.	Iron Poles for Junction Wires.	Iron Pull-off Poles.	Wooden Pull-off Poles.	Eyebolts in Bridges, etc.
Streets, Etc.	From	To															
Clifton street	Francis street	Fulton avenue	22														
Fulton avenue	Pennsylvania ave	Lanvale street	6	33	54										8		
Lanvale street	Fulton avenue	Argyle avenue	69												2		
Argyle avenue	Lanvale street	Biddle street	32														
Myrtle avenue	Lanvale street	Dolphin street	8												1		
Biddle street	Argyle avenue	Bolton street	50												2		
Bolton street	Biddle street	Preston street	7												1		
Preston street	Bolton street	Caroline street	109										2		1		
Caroline street	Preston street	Lancaster street	126												2		
Lancaster street	Caroline street	Broadway	13												1		
Broadway	Lancaster street	Shakespeare street	7												1		
Shakespeare street	Broadway	Bond street	7												1		
Bond street	Shakespeare street	Eastern avenue	27												1		
Eastern avenue	Caroline street	Bond street	6												1		
Dolphin street	Argyle avenue	Myrtle avenue	6														
Total			493	33	54								2		22		

Total Number of Poles of all Description.

Iron span poles	493	Iron pull-off poles	22
Wooden span poles	33	Wooden junction poles	2
Single bracket iron poles	54		
		Total	604

REPORT OF TROLLEY AND OTHER RAILROAD POLES ON THE LINES OF THE CITY AND SUBURBAN RAILWAY COMPANY FOR THE YEAR ENDING DECEMBER 31, 1894.

Names of Streets and Avenues, Etc.			Iron Span Poles.	Wooden Span Poles.	Single Bracket Iron Poles.	Double Bracket Iron Poles.	Single Bracket Wooden Poles.	Double Bracket Wooden Poles.	Iron Poles for Feed Wires.	Wooden Poles for Feed Wires.	Wooden Poles for Guy Wires.	Iron Poles for Guy Wires.	Wooden Poles for Junction Wires.	Iron Poles for Junction Wires.	Iron Pull-off Poles.	Wooden Pull-off Poles.	Eye-bolts in Bridges and Warehouses.	Wooden Union Poles.
Streets.	From	To																
Liberty street	Park avenue	Lombard street	19	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	.....	.....	1
Park avenue	Liberty street	Lafayette ave	109	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	...	1	...
Lafayette avenue	Park avenue	John street	8	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	...	.....	...
John street	Lafayette ave	North avenue	24	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	...	.....	...
Howard street	Lombard street	Camden street	6	...	.....	.....	.....	.....	6	.....	1	.....	.....	.....	1	...	1	2
Paca street	Camden street	Columbia ave	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	2	.....	...
Columbia avenue	Paca street	West'n terminus	150	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	...	.....	...
Lombard streeet	Howard street	Frederick ave	138	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	...	.....	...
Frederick avenue	Lombard street	Pratt street, intersection	16	....	.....	.....	.....	...	.....	.....	.....	.....	.....	.....	1	...	.....	...
Pratt street	Frederick ave	Gilmor street	44	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	...	.....	...
Gilmor street	Lombard street	Wilkins avenue	10	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	...	.....	...
Wilkins avenue	Gilmor street	Brunswick st	10	2	44	15	.....	.....	1	.....	1	.....	.....	.....	1	...	.....	...
Brunswick street	Wilkins avenue	Claremont b'dge	.....	....	5	....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	.....	...
Pratt street	Howard street	Exeter street	88	...	.....	.....	.....	.....	10	3	.....	.....	3	.....	2	...	.....	...
Exeter street	Pratt street	Stiles street	6	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	...	.....	...
Stiles street	Exeter street	Gough street	6	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	...	.....	...
Gough street	Stiles street	Bond street	29	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	...	.....	...
Bond street	Gough street	Eastern avenue	12	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	...	.....	...

Eastern avenue...	Bond street.....	East'n city lim.	106	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	....	.....	....
South street.....	Pratt street.....	Exchange place.	8	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	....
Commerce street.	Pratt street.....	Exchange place.	.....	....	.....	.....	.....	.....	2	4	.....	2	.....	.....	.....	....	.....	....
Holliday street...	Exchange Place	Hillen street....	21	....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	....	1	....
Hillen street.....	Holliday street..	Forrest street....	32	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	....	.....	....
Forrest street....	Hillen street.....	Greenmount ave	4	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	....	.....	....
Greenmount ave..	Forrest street....	North avenue....	82	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	....
York road.....	North avenue....	North'n city lim.	2	172	.....	.....	.....	.....	.....	2	.....	.....	1	.....	...	2	.....	....
Biddle street.....	Park avenue	Maryland ave...	12	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	....	.....	....
Maryland avenue	Biddle street	Twenty-fifth st.	84	....	.....	4	.....	.....	.....	1	.....	.....	.....	.....	1	....	.....	....
Twenty-fifth st...	Maryland ave....	Huntington ave.	14	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	.....	....
Huntington ave..	Twenty-fifth st..	Trestle work....	.....	...	.....	.....	.....	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	....
Trestle work.....	South approach.	North approach.	.....	...	.....	.....	...	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	....
" "	North approach.	First street.....	.....	...	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
First street.....	Cedar avenue....	Chestnut ave....	.....	2	.....	.....	.....	3	.....	.....	2	.....	.....	.....	...	3	.....	....
Chestnut avenue.	First street.....	Third street.....	.....	...	.....	.....	.....	13	.....	.....	1	.....	.....	.....	...	3	.....	....
Third street.....	Chestnut ave....	Falls road.....	12	....	.....	.....	....	8	.....	.....	.....	.....	.....	.....	...	2	.....	....
Sweet Air avenue	Falls road.....	Sweet Air hill...	.....	...	.....	.....	8	.....	.....	.....	.....	.....	.....	.....	...	2	.....	....
Roland avenue....	Third street.....	Merryman's lane	.....	..	.....	.....	.....	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
North avenue..	Guilford ave.....	Belair avenue....	6	....	.....	59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....
Dugan's wharf....	South of Pratt st.	.....	.....	...	.....	.....	.....	.....	.....	4	.....	1	.....	.....	1	.....	.....	....
Total.	.....	.....	1058	176	49	78	8	75	20	14	5	3	4	.....	36	16	3	3

TOTAL NUMBER OF POLES OF ALL DESCRIPTION.

Iron span poles	1,058	Iron poles for guy wires	3
Wooden span poles	176	Wooden poles for junction wires	4
Single bracket iron poles	49	Iron " " "	0
Double " "	78	Iron pull-off poles	36
Single " wooden poles	8	Wooden pull-of poles	16
Double " " "	75	Eye-bolts in bridges, warehouses, etc	3
Iron poles for feed wires	20	Wooden union poles	3
Wooden poles for feed wires	14		
" " guy wires	5	Total poles, eye-bolts, etc	1,548

REPORT OF TROLLEY AND OTHER RAILROAD POLES ON THE GWYNN OAK BRANCH OF THE BALTIMORE TRACTION COMPANY FOR THE YEAR ENDING DECEMBER 31, 1894.

Names of Streets, Avenues, Etc.			Iron Span Poles.	Wooden Span Poles.	Single Bracket Iron Poles.	Double Bracket Iron Poles.	Single Bracket Wooden Poles.	Double Bracket Wooden Poles.	Iron Poles for Feed Wires.	Wooden Poles for Feed Wires.	Wooden Poles for Guy Wires.	Iron Poles for Guy Wires.	Wooden Poles for Junction Wires.	Iron Poles for Junction Wires.	Iron Pull-off Poles.	Wooden Pull-off Poles.	Eye-bolts in Bridges, Warehouses, Etc.	Wooden Combination Poles.
Streets, Etc.	From	To																
Liberty Road.....	Walbrook Station	City Limits.....	...	...	...	....	16	72	.....	.....	.....	.....	.....	.....	...	2	.....	.....
			...	...	.....	.....	16	72	.....	.....	.....	.....	.....	.....	...	2	.....	.....

TOTAL NUMBER OF POLES OF ALL DESCRIPTION.

Single bracket wooden poles	16
Double bracket wooden poles	72
Wooden pull-off poles	2
	90

TROLLEY AND OTHER RAILROAD POLES ON THE LINES OF THE BALTIMORE AND CURTIS BAY RAILROAD COMPANY FOR THE YEAR ENDING DECEMBER 31, 1894.

Names of Streets, Avenues, Etc.			Iron Span Poles.	Wooden Span Poles.	Single Bracket Iron Poles.	Double Bracket Iron Poles.	Single Bracket Wooden Poles.	Double Bracket Wooden Poles.	Iron Poles for Feed Wires.	Wooden Poles for Feed Wires.	Wooden Poles for Guy Wires.	Iron Poles for Guy Wires.	Wooden Poles for Junction Wires.	Iron Poles for Junction Wires.	Iron Pull-off Poles.	Wooden Pull-off Poles.	Eye-bolts in Bridges and Warehouses.	Wooden Union Poles.
Streets, Etc.	From	To																
Charles street	Fort avenue	Cromwell street.		66							1					1		
Cromwell street.	Charles street	Cut		6												1		
Cut	Cromwell street.	Bend		16												6		
Bend	Cut	Marshall avenue		4												1		
Marshall avenue.	Bend	Long Bridge		20							1					4		
Long Bridge	North approach.	Drawbridge		12														
Drawbridge	" "	South end draw.															12	
Bridge	South end draw	" brdge		64														
Total				188							2				13	12		

Number of Poles of All Description.

Wooden span poles	188
" guy "	2
" pull-off poles	13
Eye-bolts in Long Bridge	12
Total	215

REPORT OF TROLLEY AND OTHER RAILROAD POLES ON THE LINES OF THE BALTIMORE CITY PASSENGER RAILWAY COMPANY FOR THE YEAR ENDING DECEMBER 31, 1894.

Names of Streets, Avenues, Etc.			Iron Span Poles.	Wooden Span Poles.	Single Bracket Iron Poles.	Double Bracket Iron Poles.	Single Bracket Wooden Poles.	Double Bracket Wooden Poles.	Iron Poles for Feed Wires.	Wooden Poles for Feed Wires.	Wooden Poles for Guy Wires	Iron Poles for Guy Wires.	Wooden Poles for Junction Wires.	Iron Poles for Junction Wires.	Iron Pull-off Poles.	Wooden Pull-off Poles.	Eye-bolts in Bridges and Warehouses.	Wooden Union Poles.
Streets, Etc.	From	To																
Madison ave.	in front car barn		4												1			
Park Terrace	Madison avenue.	McCulloh st	6												1			
McCulloh street	Park Terrace	North avenue	26						1						2			
North avenue	Opposite	Division street	1															
Cumberland st.	North avenue	Pennsylvania av	6												1			
Pennsylvania ave	Cumberland st.	Franklin street	112												2			
Greene street	Franklin street.	Baltimore street.	36												1			
Baltimore street	Greene street	Aisquith street	112												5			5
Aisquith street	Baltimore street.	Central avenue	48						1						4			
Central avenue	Madison street	Harford road	44												2			
Harford avenue	Central avenue.	North avenue	27												1			
Madison street	Central avenue.	Harford avenue.	8												2			
Harford road	North avenue	Terminus		74														
Orleans street	Aisquith street.	Patterson P'k av	72												2			
Patterson P'k av.	Orleans street	Monument st.	18															
Monument street.	Patterson P'k av	Chester street	12												1			
Chester street	Monmment st	Jefferson street.	12												1			
Jefferson street	Chester street	Broadway	26												3			
Broadway	Jefferson street.	Orleans street			5													

Fayette street	Aisquith street	Gay street	38												1			
Gay street	Fayette street	Baltimore street	4												2			
Albemarle st	Baltimore street	Trinity street	32												2			
Trinity street	Albemarle st	Exeter street	4															
Exeter street	Trinity street	Fawn street													5			
Fawn street	Exeter street	High street	6												2			
High street	Fawn street	Baltimore street	26												2			
Bank street	High street	Patterson P'k av	74												2			
Patterson P'k av	Bank street	Essex street	18												3			
Essex street	Patterson P'k av	Montford ave	8												1			
Lancaster street	Montford ave	Chesapeake st	26												1			
Chesapeake st	Lancaster st	Elliott street	24															
Elliott street	Chesapeake st	East avenue	26												1			
Sharp street	Baltimore street	Lee street	37															4
Lee street	Sharp street	Light street	22												1			
Light street	Lee street	Winder street	84												1			
Marshall avenue	Winder street	Terminus	50					10								6		
Hanover street	Lee street	Baltimore street	44															
Broadway	Bank street	Thames street	28												1		4	
Thames street	East side to west	side of Broadway													3			
Total			1115	74	5			10	2						57	6	4	9

TOTAL NUMBER OF POLES OF ALL DESCRIPTION.

Iron span poles	1,115
Wooden span poles	74
Single bracket iron poles	5
Double bracket wooden poles	10
Iron poles for feed wires	2
Iron pull-off poles	57
Wooden pull-off poles	6
Wooden union poles	9
Eye-bolts in Broadway Market House	4
Total	1,282

REPORT OF TROLLEY AND OTHER RAILROAD POLES ON THE LINES OF THE LAKE ROLAND ELEVATED RAILWAY COMPANY FOR THE YEAR ENDING DECEMBER 31, 1894.

Names of Streets, Avenues, Etc.			Iron Span Poles.	Wooden Span Poles.		Iron Bracket														
Streets.	From	To		Single Bracket Poles.	Double Bracket Poles.	Single Bracket Wooden Poles.	Double Bracket Wooden Poles.	Iron Poles for Feed Wires.	Wooden Poles for Feed Wires.	Wooden Poles for Guy Wires.	Iron Poles for Guy Wires.	Wooden Poles for Junction wires.	Iron Poles for Junction wires.	Iron Pull-off Poles.	Wooden Pull-off Poles.	Eye-bolts in Bridges and Warehouses.	Wooden Union Poles.			
Lexington street..	Charles street....	North street.....	20	....	.....	.....	.....	.....	....	.....	.....	.....	... ..	...	...	.....	...			
North street.....	Fayette street....	Trestle works....	8	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	...	.....	...			
Trestle work.....	South approach.	North approach.	.....	...	.....	25	.....	.....	.....	.....	.....	.....	.....	...	...	.....	...			
Trestle work.....	North approach.	Chase street.....	2	4	.....	... ..	.....	.....	.....	5	.....	.....	.....	...	...	.....	...			
Guilford avenue..	Chase street	North avenue....	52	....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	...	6	...			
North avenue.....	Guilford avenue.	Oak street.....	14	....	12	6	.....	.....	.....	.....	.....	.....	.....	5	...	.....	...			
Oak street.....	North avenue....	Twenty-third st.	26	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	.....	...			
Twenty-third st..	Oak street	Hampden ave....	12	....	.....	.....	.....	.....	.....	.....	1	.....	.....	3	...	.....	...			
Hampden avenue	Twenty-third st.	Twenty-fourth st	8	..	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	...	.....	...			
Twenty-fourth st.	Hampden ave....	Hampden ave ...	4	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	...	.....	...			
Hampden avenue	Twenty-fourth st	Trestle work.....	.....	...	.....	.....	.....	14	.....	.....	1	.....	.....	...	...	.....	...			
Trestle work.....	South approach.	North approach.	.....	2	.....	5	.....	.....	.....	.....	.....	.....	.....	...	...	.....	...			
Hampden avenue	North approach.	Cedar avenue....	.....	2	.....	.....	.....	3	.....	.....	.....	.....	.....	1	...	.....	...			
Cedar avenue.....	Hampden ave....	Second street....	42	....	.....	.....	... ..	.....	.....	.....	.....	.....	.....	2	...	.....	...			
Second street.....	Cedar avenue....	Elm avenue.....	.....	2	.....	.....	.....	7	.....	.....	1	.....	.....	...	5	.....	...			
Elm avenue.....	Second street....	Merryman's lane	.....	2	.....	.....	.....	24	.....	.....	.....	.....	.....	...	...	.....	...			
Merryman's lane.	Elm avenue.....	Roland avenue..	.....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	3	.....	...			
Roland avenue....	Merryman's lane	City limits.....	.....	2	.....	.....	.....	11	.....	.....	.....	.....	.....	...	2	.....	...			
Twenty-first st...	Oak street..	Temp'ary bridge	.....	9	.....	.....	.....	.....	.....	.....	1	.....	.....	...	2	... ..	..			

Tempo'ary bridge	Twenty-first st..	North avenue....		6																
North avenue.....	Bridge.	Madison avenue.	18			27	2										6			
North avenue.....	Madison avenue.	Twelfth street...	52	32			54			2										
Twelfth street.....	North avenue....	Clifton street.....		8			4			2						1				
Clifton street.....	Twelfth street...	Terminus.....		14			19			1						1	10			
Total.....			258	97	12	63	79	59	1	10	4				19	28	6			

TOTAL NUMBER OF POLES OF ALL DESCRIPTION.

Iron span poles	258
Wooden span poles	97
Single bracket iron poles	12
Double bracket iron poles	63
Single bracket wooden poles	79
Double bracket wooden poles	59
Iron poles for feed wires	1
Wooden poles for feed wires	10
Wooden poles for guy wires	4
Iron pull-off poles	19
Wooden pull-off poles	28
Eye-bolts in Guilford Avenue Bridge	6
Total	636

REPORT OF TROLLEY AND OTHER RAILROAD POLES ON THE LINES OF THE BALTIMORE TRACTION COMPANY FOR THE YEAR ENDING DECEMBER 31, 1894.

Names of Streets, Avenues, Etc.			Iron Span Poles.	Wooden Span Poles.	Single Bracket Iron Poles.	Double Bracket Iron Poles.	Single Bracket Wooden Poles.	Double Bracket Wooden Poles.	Iron Poles for Feed Wires.	Wooden Poles for Feed Wires.	Wooden Poles for Guy Wires.	Iron Poles for Guy Wires.	Wooden Poles for Junction Wires.	Iron Poles for Junction Wires.	Iron Pull-off Poles.	Wooden Pull-off Poles.	Eye-bolts in Bridges and Warehouses.	Wooden Union Poles.
Streets, Etc.	From	To																
Linden avenue	Whitelock street	Fifth avenue	112												2			
Fifth avenue	Linden avenue	Howard street	4															
Howard street	Biddle street	Conway street	97							9					2		1	
Conway street	Howard street	Charles street	22						1									
Charles street	Fort avenue	Centre street	149											1	7			
Stump alley	House's court	Conway street							3									
Camden street	Howard street	Paca street	14												1			
Paca street	Columbia ave	Fremont street	27												2			
Fremont street	Paca street	Ridgely street	8												1			
Ridgely street	Fremont street	Ostend street	36															
Centre street	Howard street	Paca street	45			2									2			
Front street	Centre street	High street													3			
High street	Front street	Hillen street	5														3	
Hillen street	High street	Monument street	9												1			
Monument street	Hillen street	Washington st	74												2			
Washington st	Monument street	Fayette street	27												1			
Fayette street	Washington st	Philadelphia rd	44												1			
Fayette street	Charles street	Carey street	112												2			

Carrollton avenue	Fayette street	Mosher street	62																
Carey street	Fayette street	Cumberland st.	122								1				1				
Cumberland st.	Carey street	Pennsylvania av	6												1	1			
Pennsylvania ave.	Cumberland st.	Fulton avenue	32												3				
Hookstown road	Fulton avenue	Park Heights av		11			37								3	7			
Park Heights ave	Hookstown road	City limits					1	51							3	2			
Retreat street	Hookstown road	Druid Hill ave	12						4						1				
Francis street	Retreat street	Fulton avenue	18												2				
Fulton avenue	Francis street	Pennsylvania av	12												2				
Druid Hill ave.	Retreat street	Whitelock street							7										
Whitelock street	Druid Hill ave.	Linden avenue								11									
Franklin street	Park avenue	Fremont street	64												2				
Edmondson ave.	Fremont street	Calverton road	90		1	24		2							2				
Calverton road	Edmondson ave	Bloomingdale av	10												1				
Bloomingdale ave	Calverton road	Liberty road	68																
Liberty road	Bloomingdale av	Walbrook Stat'n	53																
Fremont street	Baltimore street	Mosher street	75												2				
Mosher street	Carey street	Division street	30						4						2				
Division street	Mosher street	McMechen st.	8												1				
McMechen street	Division street	North avenue	68												3				
North avenue	McMechen street	Wooden Bridge	4												1				
Fort avenue	Charles street	Fort McHenry	154												2				
Lexington street	Charles street	Howard street	24												2				
Saratoga street	Charles street	Park avenue	15												1				
German street	Charles street	South street	16												1		5		
South street	Baltimore street	Exchange Place	11												2				
Exchange Place	South street	Holliday street	4												1				
Holliday street	Exchange Place	Fayette street	14												1		1		
Fayette street	Holliday street	North street	4												2				
North street	Fayette street	Baltimore street	6																
Charles-street ave	North avenue	Twenty-fifth st.	40												3				
Twenty-fifth st	Charles-street av	York road	34												1				
Richmond street	Howard street	Biddle street	4																
Lombard street	Howard street	South street	34												2	1	1		

REPORT OF TROLLEY AND OTHER RAILROAD POLES ON THE LINES OF THE BALTIMORE TRACTION COMPANY FOR THE YEAR ENDING DECEMBER 31, 1894—Concluded.

Names of Streets, Avenues, Etc.			Iron Span Poles.	Wooden Span Poles.	Single Bracket Iron Poles.	Double Bracket Iron Poles.	Single Bracket Wooden Poles.	Double Bracket Wooden Poles.	Iron Poles for Feed Wires.	Wooden Poles for Feed Wires.	Wooden Poles for Guy Wires.	Iron Poles for Guy Wires.	Wooden Poles for Junction Wires.	Iron Poles for Junction Wires.	Iron Pull-off Poles.	Wooden Pull-off Poles.	Eye-bolts in Bridges and Warehouses.	Wooden Union Poles.
Streets, Etc.	From	To																
Fayette street	North street	Charles street	18	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....
Fayette street	Carey street	Gilmor street	18	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....
Gilmor street	Fayette street	Cumberland st.	104	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....
Cumberland st.	Gilmor street	Carey street	8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Mosher street	Gilmor street	Parrish alley	....	....	....	....	....	....	4	....	....	....	....	....	....	....	....	....
Total			2037	11	1	26	38	53	23	20	1	....	....	1	79	11	11	....

Total Number of Poles of All Description.

Iron span poles	2,037	Wooden poles for feed wires	20
Wooden span poles	11	Wooden poles for guy wires	1
Single bracket iron poles	1	Iron poles for junction wires	1
Double bracket iron poles	26	Iron pull-off poles	79
Single bracket wooden poles	38	Wooden pull-off poles	11
Double bracket wooden poles	53	Eye-bolts in warehouses	11
Iron poles for feed wires	23		
		Total	2,312

REPORT OF THE NUMBER OF TELEGRAPH, TELEPHONE AND ELECTRIC LIGHT AND POWER POLES IN THE CITY OF BALTIMORE.

Standard Oil Company	75
Chesapeake and Potomac Telephone Company	1,474
American Telegraph and Telephone Company	181
Maryland Electric Company	1,078
Brush Electric Company	1,953
Northern Central Railway Company	34
Union Railway Company	19
Baltimore and Potomac Railroad Company	47
United States Electric Light and Power Company	269
Western Union Telegraph Company	1,680
Postal Cable Telegraph Company	508
Total number of poles	7,318

REPORT OF PERMITS GRANTED DURING THE YEAR ENDING DECEMBER 31, 1894, TO THE SEVERAL RAILROAD, TELEGRAPH, TELEPHONE AND ELECTRIC POWER COMPANIES IN THE CITY OF BALTIMORE.

Railway Companies.

Central Railway Company	1
Lake Roland Elevated Company	15
Baltimore City Passenger Railway Company	39
City and Suburban Railway Company	29
Baltimore Traction Company	51
Total permits to railway companies	135

Telegraph and Electric Companies.

Philadelphia, Wilmington and Baltimore Railroad Company	3
Northern Central Railway Company	5
Baltimore and Potomac Railway Company	1
Baltimore City Police Telephone	21
Postal Cable Telegraph Company	3
Western Union Telegraph Company	112
Maryland Electric Campany	98
United States Electric Company	29
Chesapeake and Potomac Telephone Company	82
Brush Electric Company	242
Total permits to telegraph and electric companies	596

Summary of Permits Granted for Renewing or Resetting Old Poles.

Electric Railway Companies	135
Telegraph, Telephone and Electric Light Companies	596
Total number of permits granted	731

Permits Granted for the Erection of New Poles.

Maryland Electric Company	564

Respectfully submitted,

ALFRED HOLLYDAY,
General Superintendent.

REPORT OF

A. Leslie Duvall, Assistant City Commissioner.

For the Year Ending December 31st, 1894.

City Commissioner's Office,

Baltimore, January 22, 1895.

A. E. Smyrk, Esq., *City Commissioner:*

Sir:

In submitting my report for the year 1894 I have little more to state than that the work done under my direction has been done in its usual good manner.

The principal amount of work done has been the granite block pavements, asphalt blocks from Biddle to Lanvale streets, and a small amount of vitrified brick paving on Biddle street, between St. Paul street and Hargrove alley.

A new class of paving has been introduced in the past year in this city, known as mosaic block paving. It has been extensively used in the city of Richmond

Va., and in a report I made May, 1894, I stated that this pavement was the best of its kind that could be put down, evidently equaling in durability the granite block paving that has been used in Baltimore, and can be laid for a very much less price.

I heartily recommend that the streets which are provided for by ordinance to pave with granite blocks be paved with the mosaic blocks in place thereof, as under authority under the ordinance passed, authorizing the Mayor and City Commissioner to change when they deemed it for the best interest of the city.

The asphalt block pavement on Biddle street I consider to be one of the best laid pavements in this city, as the manufacturing of the blocks, refining the asphaltic cement are all very far superior to what has ever been done before.

There was no street asphalt work done in the city during the past year. The work that has been done previously is in good condition. Broadway, on which there was a contract for the two-year limit time, expired December 17. I examined the street from end to end and found it in as good condition as when it was laid.

I have made examination of all streets paved under my direction and found them all in satisfactory condition. Any repairing that may be needed will be cheerfully done by the contractors who laid the pavements.

Owing to the immense amount of work entailed by the requirements of the Investigating Committee it has been with the utmost difficulty that I could get my report made in proper time.

I would recommend that the granite block paving, which has heretofore been done by day labor, that the labor and material be supplied by the city, with the exception of the labor of pavers and rammers, which I suggest should be obtained by putting them out at so much per square yard laid and measured on the pavements.

I append the following summary of work done on each street, with the final statement of streets paved, number of square yards and materials; also statement showing the number of granite blocks furnished by contractors during the year.

I submit also report of gutter-plates, drain-boxes, board-walks, flagstone crossings, showing location of all repairs to same.

The disposition of old material on the streets is entirely under your own personal direction, and has been hauled to the different stone-yards and for the repairing of streets and the cross streets. What has been sold will appear in Mr. Toole's financial statement, as I have not an account for it.

Very respectfully,

A. LESLIE DUVALL,

Assistant City Commissioner.

LIGHT STREET, FROM PRATT STREET TO FORT AVENUE.

Granite blocks. Ordinance No. 17. Approved February 27, 1893. Source of payment, $6,000,000 Loan. Work commenced January 30, 1894. Work completed June 30, 1894.

This includes Montgomery street from William street to Charles street, and Hill street from Light street to Charles street, and the cutting down of Light street from York street to Montgomery, under Ordinance No. 78, approved April 20, 1893.

The following is a summary of the work done and expenditures:

Length, 4,755 linear feet. Width, paved various widths.

Granite block paving	15,262.8	sq. yds.
New six-inch kerb	3,878.06	lin. ft.
New six-inch circles	373.79	" "
Old six-inch kerb, reset	11,237.95	" "
Gutter-stone (regulation) new	8,217.33	" "
Gutter-stone (regulation) old and new, reset	10,398.41	" "
Dirt hauled	3,878	loads.
Gutter-stone (regulation) on cross streets		

Cobble-stone hauled	2,456	loads.
Gutter-stone, special	2,915.5	lin. ft.
Flagging		
Flagging set, new and old	1,806.24	sq. ft.
Flagging, old, reset		
Grading Light and Montgomery streets	4,480	cub. yds.
Bricks	18,500	
Cobble repaving in cross streets	24,463.75	lin. ft.
Gravel delivered, at 75c	833	
Sand delivered, at 35c	5,298	cub. yds.
Setting 3-foot open stone gutters	333.92	
Blocks delivered	348,895	
Three-foot open stone gutter	331.5	lin. ft.
Sand, at 45c	485	cub. yds.
Sand, at 60c	118	" "
Sand, at 75c	28	" "

EXPENDITURES.

1894.

Granite blocks	$28,925 52
New six-inch kerb	2,994 65
New six-inch circles	817 58
Gutter-stone (regulation)	2,320 15
Gutter-stone (special)	1,408 53
Flagstones	816 34
Sand	2,789 10

Repaving in cross streets	$ 978	54
Setting and resetting kerb, old and new (contract), at 10 cents per linear foot	1,123	80
Setting regulation gutter-stones, at .05 cent per linear foot	519	92
Setting flagstones (contract), at 75 cents per linear foot	1,354	69
Bricks for repaving intersections and for iron covered gutters 18,500, at $12.00 per thousand	222	00
Hydraulic cement for iron-covered gutters, and for concrete foundations where necessary, and for grouting gutter-stone and kerb joints	76	90
Setting three-foot open stone gutters	417	40
Contingencies, such as moving gas and electric lamps, telegraph and other poles, water stops, drain-pipes, etc., etc	1,091	36
Cobble-stone hauled	614	00
Hauling blocks and kerb	4,260	04
Dirt hauled	1,357	30
Labor of all kinds, including engineering	26,956	43
Grading Light street, L. & M	1,792	00
	$80,836	23
Expense last year, 1893	11,007	00
	$91,843	23

Appropriation	$135,000	00
Expenses	91,843	23
Balance	$43,156	77 transferred to Pratt street.

CONTRACTORS FURNISHING MATERIALS AND PRICES OF SAME.

Granite Blocks.

J. B. Bland	74,876,	at	$64 50
Star Granite Company	47,091	"	64 50
W. F. Miller	34,816	"	64 50
Star Granite Company	18,763	"	56 00
Westham Granite Company	100,000	"	59 85
Booth Bros	25,000	"	59 50
R. Mason	25,504	"	56 40
Rockport Granite Company	25,000	"	59 80
Venable Bros	65,495	"	57 49

Six-inch Kerb.

Joseph A. Gettier	475.33	linear feet,	at	$ 80
W. F. Weller	205.67	"	"	1 00
W. F. Weller	1,185.52	"	"	80
Blaisdell & Co	8.0	"	"	1 00
Star Granite Company	2,003.54	"	"	72½

Regulation Gutter-Stones.

J. F. Atkinson	965.25	linear feet,	at	$ 30
J. F. Atkinson	1,209.25	"	"	28
J. Schwind	6,042.83	"	"	28

Special Gutter-Stones.

B. Hanrahan & Son	331.5	linear feet,	at $4.25

Sand.

H. Klein	5,298	cubic yards, at	$	35
H. Klein	485	"	"	45
F. Fallon	118	"	"	60
J. J. Gallagher	13	"	"	75
J. J. Hoffman	15	"	"	75
H. Klein (gravel)	833	"	"	75

POPPLETON STREET, FROM COLUMBIA AVENUE TO LEXINGTON STREET.

Granite blocks. Ordinance No. 30, approved March 7, 1893. Source of payment, $6,000,000 Loan. Work was begun March 28, 1893. Completed June 1, 1893.

The following is the summary of work done and expenditures:

Length, 2,927 linear feet. Width paved, 39 feet.

Granite block paving		
New six-inch kerb	5,384.01¼	lin. ft.
New six-inch circles	348.51½	" "
Old and new six-inch kerb reset	6,889.38	" "
Gutter-stone (regulation), new	5,806	" "
Flagging, new	4,688	" "
Gutter-stone (regulation), old and new, reset	5,476.79	" "
Gutter-stone (regulation), on cross streets		
Gutter-stone, special	552.95	" "
Flagging, old and new, reset	1,296.91	" "
Iron gutter-plates	325	lbs.

Cobble repaving in cross streets	27,739.63	
Sand delivered	3,858	cub. yds.
Dirt hauled	2,393	loads.
Blocks delivered	285	blocks.
Cobble hauled	2,376	
Bricks furnished	10,000	
Three-foot open stone gutter set	585.50	lin. ft.
Concrete for three-foot open stone gutter	60.19	cub. yds.

EXPENDITURES.

Granite blocks	$16,120 30
New six-inch kerb	5,384 02
Gutter-stone (regulation)	1,266 19
Gutter-stone (special)	2,350 04
Flagstones	1,312 64
New circles	715 65
Sand	1,080 24
Hauling dirt	598 25
Repaving in cross streets	1,109 59
Hauling cobble-stone	594 00
Setting and resetting kerb, old and new (contract), at 10 cents per linear foot	688 94
Setting regulation gutter-stones at .05 cent per linear foot	274 84
Setting flagstones (contract) at 75 cents per linear foot	972 69
Iron gutter-plates	3 65

Bricks for repaving intersections and for iron-covered gutters, 10,000, at $12 per thousand	$ 120 00
Hydraulic cement for iron-covered gutters, and for concrete foundations where necessary, and for grouting gutter-stone and kerb joints	44 50
Contingencies, such as moving gas and electric lamps, telegraph and other poles, water stops, drain-pipes, etc., etc	472 15
Gutter-stone—special set	731 88
Hauling blocks and kerb	2,507 10
60.19 cubic yards concrete for 3-foot open-stone gutter	336 14
Labor of all kinds, including engineering	14,502 28
	$51,210 09

CONTRACTORS FURNISHING MATERIAL AND PRICES OF SAME.

Granite Blocks.

Guilford & Waltersville	20,000, at	$50 00
M. Gault	50,000 "	56 15
Venable Bros	165,000 "	57 49
Star Granite Company	25,000 "	56 00
Robert Mason	25,000 "	56 40
	285,000	

Six-inch Kerb.

W. B. Blaisdell & Co	5384.0¼ linear feet, at $1 00

Granite Circles.

W. B. Blaisdell & Co. .....311 linear feet, at $2 00
W. H. Johnson..... 37.5½ " " 2 50

Regulation Gutter-Stones.

J. Atkinson.....4,496 linear feet, at $ 20
J. Schwind.....1,310 " " 28

Special Gutter-Stones.

J. Schwind.....229.37 linear feet, at $4 25
F. F. Graham..... 323.58 " " 4 25

Sand.

J.Peters..... .....3,858 cubic yards, at $ 28

ST. PAUL STREET, FROM LEXINGTON STREET TO MONUMENT STREET.

Granite blocks. Ordinance No. 21. Approved March 2, 1893. Source of payment, $6,000,000 Loan. Work was begun May 18, 1894. Completed October 26, 1894.

There was considerable difficulty in repaving this street. There was necessity for remodeling this street to meet a proper crown and grade of the street.

The following is the summary of work done and expenditures:

Length, 2,257 linear feet. Width, as shown by plat.

Granite block paving		
New six-inch kerb	2,000	lin. ft.
New granite circle	317.8½	
Old six-inch kerb, reset		
New flagging	2,585.10	" "
Gutter-stone (regulation) new	4,116.6	" "
Six-inch kerb, set	4,390.30	" "
Gutter-stone (regulation), old, reset.		
Gutter-plates, as per drawing		
Gutter-stone (regulation) on cross streets		
Dirt hauled	5,503	loads.
Gutter-stone, special	154.08	
Granolithic gutter	5.55	
Flagging, old, reset	101.54	lin. ft.
Check-stones		
Cobble repaving in cross streets	38,498.18	sq. ft.
Gravel	36	cub. yds.
Sand delivered	4,315	" "
Granite covers	1,753.9	sq. ft.
Blocks delivered		
Cobbles hauled	646	loads.
Flagstone set at 10 cents	602.21	
Setting special gutter-stone by contract	114.28	

Concrete as bricklayers' time 4.91 cubic yards, 13 days bricklayers' time.

EXPENDITURES.

Granite blocks	$12,745 11
Repaving cement sidewalks	77 75
New six-inch kerb	1,450 00
Gutter-stone (regulation)	1,008 54
Granite circles (special)	513 59
Gutter-stone (special)	575 64
Flagstones	724 04
Sand	1,738 10
Gravel	36 00
Repaving in cross streets	995 89
Granite covers	2,208 81
Setting and resetting kerb, old and new (contract), at 10 cents per linear foot	460 51
Hauling cobble-stone	258 40
Setting regulation gutter-stones, at .05 cent per linear foot	186 17
Hauling dirt	2,201 20
Setting flagstones (contract), at 75 cents per linear foot	451 56
Setting three-foot open stone gutters	142 60
Bricks for repaving intersections and for iron-covered gutters 42,300, at $12.00 per thousand	507 60
Gutter-plates	5 20

Hydraulic cement for iron-covered gutters, and for concrete foundations where necessary, and for grouting gutter-stone and kerb joints	$283 64
Granolithic gutter	16 66
Contingencies, such as moving gas and electric lamps, telegraph and other poles, water stops, drain-pipes, etc., etc.	821 64
Check-stones	302 08
Hauling blocks and kerb	1,456 14
Concrete as bricklayers' time	41 76
Labor of all kinds, including engineering	19,127 32
	$ 48,336 11
Expenditures, 1893	64,841 15
	$113,177 26

Appropriation	$150,000 00
Expended	113,177 26
Balance	$ 36,822 74 transferred to Pratt street.

CONTRACTORS FURNISHING MATERIALS AND PRICES OF SAME.

Granite Blocks.

Venable Bros	120,000,	at	$57 00
M. Gault & Sons	50,000	"	56 90
Star Granite Company	6,430	"	56 00
Westham Granite Company	16,800	"	56 89
Simon I. Kemp	32,123	"	54 30

Six-inch Kerb.

Star Granite Company.....2,000 linear feet, at $ 72½

Regulation Gutter-Stones.

James H. Atkinson.....4,116.6 linear feet, at $ 24½

Special Gutter-Stones.

B. Hanrahan & Son.....79.71 linear feet, at $4 25
W. H. Johnson.....34.37 " " 4 25
J. Schwind.....40.00 " " 2 27

Sand.

J. F. O'Hara, assignee of J. J. Gallagher:

4,295	cubic yards	of sand at.....	$	40
36	"	" gravel at.....	1	00
16	"	" sand at.....		60
14	"	" sand at.....		75

FAYETTE STREET, FROM CALVERT STREET TO LIBERTY STREET.

Granite blocks. Ordinance No. 217. Approved October 14, 1893. Source of payment, $6,000,000 Loan. Work commenced March 31, 1894. Still under construction.

This street is still under construction, and has been a source of great annoyance to the public generally,

owing to the delay in getting the street railway tracks laid, but it will soon be in good condition. The work had to be done at night on account of the owners of the property petitioning. A number of blocks laid had to be taken out and done over again. This, of course, materially increased the total cost of the street.

The following is a summary of the work done and expenditures:

Length, 1,466 linear feet. Width paved, 11 feet 3 inches.

Granite block paving	2,037	sq. yds.
New six-inch kerb	3,499	lin. ft.
Gutter-stone (regulation), new	2,268	" "
New circles (special)	388.5	
Flagging set, new	904.10	
Iron grating		$ 17 00
Pipe and drips for sewer inlets		406 00
Cement and hauling		85 80
Sand delivered	1872	cub. yds.
Red stone for 76 No. 10 Light, at $9.00; 14.4 linear feet, at $18.00	32.4	lin. ft.
Blocks delivered	202,405	
Granolithic gutters	20	cub. yds.
Hauling dirt and Belgian blocks and cobble stone	41,102	loads.

EXPENDITURES.

Granite blocks	$11,043 53
New circles	625 24
New six-inch kerb	1,199 20
Gutter-stone (regulation)	582 80
Gutter-stone (special)	
Flagstone	253 28
Setting combination-kerb and gutter-stone, at $2 50	363 20
Sand	774 00
Repaving in cross streets	204 49
Setting kerb, new (contract), at 25 cents per linear foot	853 34
Two grating, as per diagram	17 00
Setting gutter-stones, at 5 cents per linear foot	140 66
Red-stone for kerb	327 00
Setting flagstone (contract), at 75 cents per linear foot	135 62
Granolithic gutters	60 00
Bricks for repaving intersections and for iron-covered gutters,3,300 at $12.00 per thousand	39 60
Hauling dirt	1,506 00
Hydraulic cement for iron-covered gutters, and for concrete foundations where necessary, and for grouting gutter-stone and kerb joints	85 80
Sewer tops and drips	101 97

Contingencies, such as moving gas and electric lamps, telegraph and other poles, water-stops, drain-pipes, etc., etc	$ 579 99
Granite covers	86 40
Hauling blocks and kerb	993 24
Hauling cobble-stones	44 00
Labor of all kinds, including engineering	12,763 84
Hauling old Belgian blocks	90 80
For pipes and traps for sewer inlets	406 00
One special hub	12 34
Total expended	$33,287,34

CONTRACTORS FURNISHING MATERIALS AND PRICES OF SAME.

Granite Blocks.

Westham Granite Company	47,005, at	$56 89
Westham Granite Company	77,400 "	53 94
M. Gault & Son	54,000 "	53 70
M. Gault & Son	24,000 "	53 94
	202,405	

Six-Inch Kerb.

James A. Gettier ..... 3,499.0 linear feet, at 80 cents.

Regulation Gutter-Stones.

J. Atkinson	64.1	linear feet, at	$0 24½
J. Curley	1,846.67	" "	25¾
J. Curley	358.8	" "	25¾

Sand.

J. F. O'Hara..... 1,800 cubic yards, at $0 40
J. F. O'Hara (special)..... 72 " " 75

BOSTON STREET, FROM CHESTER STREET TO EASTERN CITY LIMITS.

Granite Blocks. Ordinance No. 39. Approved March 16, 1893. Source of payment, $6,000,000 Loan. Work was begun April 19, 1894. Completed August 18, 1894.

The following is the summary of work done and expenditures:

Length, 5,369 linear feet. Width paved, 36 feet 10½ inches.

Granite block paving.....		
Drip and check-stone.....		
New six-inch kerb.....	9,568.11½	
Special circles.....	450.67	
Old six-inch kerb reset.....		
Iron gutter-plates.....	29,292	lbs.
Gutter-stone (regulation), new.....	9,655.5	
Granite covering.....	75	lin. ft.
Granolithic.....	20	yds.
Crushed stone.....	6	cub. yds.
Gutter-stone (special).....	501	
Hauling dirt.....	5,954	loads.
Hauling cobble-stones.....		
Cobble repaving in cross streets....	6,108.22	
Traps and pipes for sewer inlets....		
Sand delivered.....	6,525	yds.
Blocks delivered.....	672,239	

EXPENDITURES.

Granite blocks	$38,256 69
New six-inch kerb	9,568 97
Gutter-stone (regulation)	1,931 09
Gutter-stone (special)	2,129 25
Flagstones	724 56
Sand	2,153 25
Drip and check-stones	94 93
Repaving in cross streets	364 33
Crushed stone	12 00
Setting and resetting kerb, old and new (contract), at 10 cents per lin. ft	751 65
Setting regulation gutter-stones at 5 cents per lin. ft	323 08
Setting flagstones (contract) at 75 cents per lin. ft	462 75
Bricks for repaving intersections and for iron-covered gutters, 5,500 at $12 per thousand	66 00
Special circles	1,126 67
Hydraulic cement for iron-covered gutters, and for concrete foundations where necessary, and for grouting gutter-stone and kerb joints	108 95
Hauling dirt	1,964 82
Contingencies, such as moving gas and electric lamps, telegraph and other poles, water-stops, drain-pipes, etc	724 33

Hauling blocks and kerb	$3,920 33
Iron gutter-plates	329 53
Labor of all kinds, including engineering	22,988 50
Expended 1894	$88,001 68
Expended last year, 1893	5,870 33
Total	$93,872 01

CONTRACTORS FURNISHING MATERIAL AND PRICES OF SAME.

Granite Blocks.

Venable Bros	502,959	at $57 49
Simon J. Kemp	50,000	" 56 00
R. J. Foster	71,280	" 51 47
Alonzo Abbott	48,000	" 59 85

Six-inch Kerb.

W. B. Blaisdell & Co	9,568	11½, at $1 00

Regulation Gutter-Stones.

J. H. Atkinson	9,655.5	at $ 20

Special Gutter-Stones.

W. M. Johnson	102.29	at $4 25
F. F. Graham	210.00	" 4 25
B. Hanrahan	188.71	" 4 25

Sand.

J. J. Gallagher	6,526 yards	at $ 33

HOLLIDAY AND OTHER STREETS.

Granite blocks. Ordinance No. 24. Approved March 6, 1893. Source of payment, $6,000,000 Loan. Work commenced June 14, 1894. Work still under construction.

This street will prove a very expensive piece of work, and the expenditures will probably come up nearly to the amount appropriated, owing to the great area both on account of the widening of the street grade—widening one portion of the street from Oliver street to 114 feet south of North avenue; said widening rendering it necessary to reconstruct a portion of sewers, build inlets, making connection with twenty-inch iron pipes, and building inlets at North avenue. There is a small portion of the work yet to be done, which will be closed up as soon as the weather permits.

The following is the summary of the work done and expenditure:

Length, 8,355 linear feet. Width paved, 24.6 feet for 8,355 feet.

Blue-stone for drip	11.4	
Granite block paving	22,826	sq. yds.
Iron gutter-plates	32,242	lbs.
New six-inch kerb	13,274.8	
New six-inch circles	516.9	

Old six-inch kerb reset (contract)..	3,544.5	
Crushed stone.....	1	car load.
Gutter-stone (regulation), new....	14,711.2	
Gutter-stone (regulation), new (contract).....	3,575.10	
Gutter-stone (regulation), old reset.		
Hauling cobble-stone.....	2,367	
Gutter-stone (regulation) on cross streets		
Hauling dirt.....	5,082	loads.
Gutter-stone, special.....	638.5	
Flagging, new and old reset and set by contract.....	506.6	
New flagging furnished.....	4,797.6	
Cobble repaving in cross streets (contract).....	68,851	sq. ft.
Four and a-half kerb reset by contract.....	785	lin. ft.
Sand delivered.....	6,275	cub. yds.
Cement and hauling.....		$170.10
Blocks delivered.....	857,131	
Sand furnished for cobble repaving, at 55 cents.....	2,144	cub. yds.
Open stone gutter set by contract.	183.34	
Extra grading.....	924	"
For pipes and traps.....		$1,627.38
Brick sidewalk paving.....	550.00	
Granolithic gutter.....	680.59	

EXPENDITURES.

Granite blocks	$45,120 01
New six-inch kerb	12,554 57
Gutter-stone (regulation)	3,741 29
Gutter-stone (special)	2,713 29
Flagstones	1,343 30
Sand	2,091 40
Repaving in cross streets	4,174 04
Six-inch granite circles	923 76
Setting and resetting kerb, old and new (contract), at 10 cents per linear foot	354 44
Setting regulation gutter-stone, at 5 cents per linear foot	173 80
Crushed stone	64 66
Setting flagstones (contract), at 75 cents per linear foot	379 88
Iron gutter-plates	362 73
Bricks for repaving intersections, and for iron-covered gutters, 39,500, at $12 00 per thousand, and 55 round-edge bricks	476 20
Three-foot open stone-gutters, by contract, at $1 25	229 81
Hydraulic cement for iron-covered gutters, and for concrete foundations where necessary, and for grouting gutter-stone and kerb-joints	170 70
Hauling dirt	2,032 80

Contingencies, such as moving gas and electric lamps, telegraph and other poles, water-stops, drain-pipes, etc., etc	$ 1,950 97
Extra grading	323 40
Hauling blocks and kerb	5,887 04
Hauling cobble	946 81
Labor of all kinds, including engineering	41,076 77
Blue-stone for drips	16 45
Blue-stone for inlets (covers)	101 44
Sewer inlets	1,627 38
Brick sidewalk paving by contract	550 00
Granolithic gutter	680 59
Expended, 1894	$130,067 53
Expended, 1893	5,555 06
Total	$135,622 59

Appropriation	$180,000 00
Expended	135,622 59
Balance	$44,377 41

CONTRACTORS FURNISHING MATERIALS AND PRICES OF SAME.

Granite Blocks.

B. F. Foster	116,482, at	$51 47
Venable Bros	313,000 "	49 49
Westham Granite Company	50,800 "	56 89

Westham Granite Company	18,100	at	$51 89
Rockport Granite Company	50,000	"	59 80
Star Granite Company	25,000	"	49 00
Simon I. Kemp	25,000	"	54 30
McClenahan Bros.	50,000	"	54 50
" "	50,000	"	56 50
" "	51,134	"	58 50
" "	50,000	"	56 50
" "	50,073	"	49 50
" "	77,542	"	51 40
	857,131		

Six-Inch Kerb.

Star Granite Company	1,246	linear feet, at	$ 75
Joseph A. Gettier	566.7	" "	80
W. F. Weller	1,476.4	" "	80
W. B. Blaisdell & Co.	9,985.9	" "	1 00
	13,274.8		

Regulation Gutter-Stones.

J. F. Curley	1,706.3	linear feet, at	$ 24
J. Schwind	1,457.11	" "	28
J. Schwind	1,367.00	" "	24
J. Atkinson	2,566.11	" "	24
McClenahan	7,613.1	" "	26
	14,711.2		

Special Gutter-Stones.

F. F. Graham	152.6	linear feet, at	$4	25
J. Schwind	146.9	" "	4	25
B. F. Hanrahan & Son	136.0	" "	4	25
J. H. Atkinson	93.11	" "	4	25
W. H. Johnson	109.3	" "	4	25
	638.5			

Sand.

F. Fallon	2,490	cubic yards, at	$	40
F. Fallon	3,220	" "		27
H. Klein	565	" "		40
	6,275			

PRATT STREET, FROM HOWARD STREET TO FREDERICK AVENUE.

Granite Blacks. Ordinance No. 123. Approved May 8, 1893. Source of payment, $6,000,000 Loan. Work commenced August 14, 1894. Work completed December 27, 1894.

It was necessary in paving this street to go back and repave alongside of the steam railway tracks, it being very difficult to make the paving stay alongside of the said steam railway tracks.

The following is the summary of work done and expenditures:

Length, 9,375 feet 7 inches linear feet. Width paved various feet.

Granite block paving	34,911	sq. yds.
New six-inch kerb	13,972.11¼	lin. feet.
Special circles	226.6	" "
Gutter-stone (regulation), new	18,502.3	" "
Granite covering	75	feet.
Granolithic	20	yds.
Gutter-stone (special)	440	lin. feet.
Hauling dirt	14,937	loads.
Hauling cobble	9,272	"
Cobble repaving in cross streets	31,690.83	
Sand delivered	15,183	yds.
Blocks delivered	905,904	
Crushed stone	Car load	

EXPENDITURES.

Granite blocks	$46,259 07
New six-inch kerb	10,431 22
Gutter-stone (regulation)	4,389 86
Gutter-stone (special)	998 80
Flagstones	2,933 42
Sand	4,809 65

Repaving in cross streets	$ 1,267 63
Iron gutter-plates	356 58
Setting and resetting kerb, old and new (contract), at 10c. per linear foot	50 67
Granite covering	21 00
Blue stones for inlets	238 64
Special circles	320 42
Bricks for repaving intersections and for iron-covered gutters, 58,500, at $12 per thousand	702 00
Granolithic	60 00
Hydraulic cement for iron-covered gutters, and for concrete foundations where necessary, and for grouting where necessary, and for grouting gutter-stone and kerb-joints	213 50
Crushed stone	52 57
Contingencies, such as moving gas and electric lamps, telegraph and other poles, water stops, drain-pipes, etc., etc	1,285 97
Hauling dirt	5,974 80
Hauling blocks and kerb	7,627 86
Hauling cobble-stone	3,708 80
Traps and pipes for sewer-inlets	609 00
Labor of all kinds, including engineering	61,436 32
	$153,738 78

CONTRACTORS FURNISHING MATERIALS AND PRICES OF SAME.

Granite Blocks.

R. F. Foster	587,237,	at	$51 47
Guilford & Waltersville	10,000	"	50 50
" "	10,000	"	51 00
" "	98,667	"	49 50
" "	20,000	"	50 00

Six-inch Kerb:

Woodstock Granite Company	2,500	lin. ft., at	$0 73
" " "	2,500	" "	74
Guilford & Waltersville	3,830	" "	75
Samuel Banks	1,596.8	" "	77
Star Granite Company	3,000	" "	75
M. Gault & Son	546.3¼	" "	74

Regulation Gutter-Stone.

J. T. Curley	5,000.3	linear feet, at	$0 24
J. T. Atkinson	1,795	" " "	23
J. G. Schwind	5,000	" " "	24
J. G. Schwind	1,639	" " "	23
David Leonard	5,068	" " "	23½

Special Gutter-Stones.

J. G. Schwind	400.0	linear feet, at	$2 27
W. H. Johnson	40	" " "	2 27

Sand.

W. E. Anderson	5,619	cubic yards, at	$0	30
J. J. Gallagher	7,064	"	"	"	30
" "	2,449	"	"	"	40
" "	21	"	"	"	40
" "	21	"	"	"	75
" "	9	loads gravel...	1	00

GAY STREET, FROM AISQUITH STREET TO NORTH AVENUE.

Granite blocks. Ordinance No. 15, approved February 27, 1893. Source of payment, $6,000,000 Loan. Work was begun August 13, 1894. Completed October 25, 1894.

This was a rather difficult piece of work, owing to the narrowness of the street, and the fact of having a double-track line of rapid transit street cars on it, which very much interfered with the work. Pavers and others employed were in constant dread of being injured by the cars, and, naturally, the amount of work per man was not as large as it might and would have been under more favorable circumstances.

The following is a summary of the work done and expenditures:

Length, 7,107 linear feet. Width paved, 23.75 feet for 1,322 feet, and 13.58 feet for 5,785 feet.

Granite block paving	13,021	sq. yds.
New six-inch kerb	12,457	lin. ft.
Old six-inch kerb, reset	303	"
Gutter-stone (regulation), new	12,275	"
Gutter-stone (regulation), old, reset	303	"
Gutter-stone (regulation) on cross street	822	"
Gutter-stone, special	478	"
Gutter-plates	21,610	lbs.
Bricks	24,000	
Circles	668.7½	lin. ft.
Cement and hauling		$99 35
Flagging set, new	5,153½	sq. ft.
Flagging, old, reset	8,538	"
Hauling dirt	8,910	yds.
Cobble repaving in cross streets	14,887	sq. yds.
Sand delivered	6,738	cub. yds.
Sand for cross streets	2,988	"
Sand for inlets	133	"
Blocks delivered	398,843	blocks.
One carload crushed stone		

EXPENDITURES.

Granite blocks	$25,678 62
New six-inch kerb	13,932 73

New six-inch kerb circles	$ 936 08
Gutter-stone (regulation)	3,159 13
Gutter-stone (special)	1,142 42
Flagstones	1,442 99
Sand	3,605 12
Repaving in cross streets	3,648 49
Hauling dirt	3,564 00
Hauling cobble-stones	344 40
Bricks for repaving intersections and for iron-covered gutters, 24,000 at $12 per thousand	288 00
Hydraulic cement for iron-covered gutters, and for concrete foundations where necessary, and for grouting gutter-stone and kerb joints	99 35
Gutter-plates	243 11
Contingencies, such as moving gas and electric lamps, telegraph and other poles, water-stops, drain-pipes, etc.	14,885 54
Crushed stone	52 66
Hauling blocks and kerb	4,008 76
Sewer tips and drip-stone	80 25
Labor of all kinds, including engineering	30,553 30
	$94,267 71

CONTRACTORS FURNISHING MATERIALS AND PRICES OF SAME.

McClenahan & Bro.....	106,607		
Less condemned blocks....	3,918		
	102,689 at $51.40,	$5,278	21
Less culling and hauling. ..		56	93
		$5,221	28
Rennie & McIntosh.....	105,600		
Less condemned blocks....	715		
	104,885 at $50.13,	$5,257	88
Less culling and hauling. ..		9	72
		$5,248	16
Less Culling and hauling, $9.72.....		$5,248	16
Westham Granite Company, 155,630 at $51.89		8,076	11
M. Gault & Son, 101,117 at $52.....		5,258	08
R. F. Foster, 17,000 at $51.47.....		874	99
Guilford and Waltersville, 20,202 at $49.50..		1,000	00
		$25,678	62
Westham Granite Company.....	155,639		
M. Gault & Son.....	101,117		
R. F. Foster.....	17,000		
Guilford & Waltersville.....	20,202		
McClenahan & Bro.....	102,689		
Rennie & McIntosh.....	104,885		
	501,532		

Six-inch Kerb.

Venable Brothers	3,235	linear feet at	$		73¾
Blaisdell & Company	5,814.10	"	"	"	1 00
B. Hanrahan	2,159	"	"	"	1 00
Woodstock Granite Co	3,000	"	"	"	75
S. Banks	1,700	"	"	"	77

Regulation Gutter-Stones.

J. Curley	3,054	linear feet at	$		24
McClenahan Granite Co	3,280.4	"	"	"	24
McClenahan Granite Co	1,649.8	"	"	"	23½
J. Schwind	3,251	"	"	"	24
J. Atkinson	1,962.6	"	"	"	24

Special Gutter-Stones.

W. H. Johnson ..... 478 linear feet at $2 39

Sand.

Wm. E. Anderson	3,113	cubic yards at	$		34½
Wm. E. Anderson	1 316	"	"	"	40
J. F. O'Hara, assignee of J. J. Gallagher	3,625	"	"	"	34
	1,672	"	"	"	40
	133	"	"	"	75

FORT AVENUE, FROM HANOVER STREET TO MARTIN STREET.

Granite blocks. Ordinance No. 45. Approved March 22, 1893. Source of payment, $6,000,000 Loan. Work was begun October 25, 1894. Still under construction.

Fort avenue has been partially paved. It has been paved on both sides from Light street to Riverside avenue and the south side extended down to Lawrence street. There was a great deal of water in the street, making it necessary to dig trenches and construct sidewalks. This is one of the streets I would especially recommend the substitution of Mosaic blocks for the completion of the balance of the pavement.

The following is a summary of the work done and expenditures:

Length, 2,000 linear feet. Width paved, 24.75 feet for 2,000 feet.

Granite-block paving	5,500	sq. yds.
Hauling dirt	1,902	loads.
New six-inch kerb	6,545.4¾	lin. ft.
Hauling cobble-stone	1,301	loads.
Cement	28	barrels.
Gutter-stone (regulation) new	3,625.4	lin. ft.
Gutter-plates	12,642	lbs.
Granolithic gutters	6.7	sq. yds.

New six-inch circles	1,050.2	lin. ft.
Gutter-stone (special)	244	" "
Flagstone delivered	2,499.2	sq. ft.
Sand delivered	1,741	cub. yds.
Gravel delivered	329	" "

EXPENDITURES.

Granite blocks	$16,421 67
New six-inch kerb	5,465 46
Gutter-stone (regulation)	901 63
Gutter-stone (special)	578 52
Flagstones	699 73
Sand	609 05
Gravel	171 75
New circles (special)	2,100 33
Setting six-inch kerb by contract at 35 cents	46 99
Gutter-plates	142 22
Bricks for repaving intersections and, for iron-covered gutters, 10,500 at $12 per thousand	126 00
Granolithic gutter	18 00
Hydraulic cement for iron-covered gutters, and for concrete foundations where necessary, and for grouting gutter-stone and kerb-joints	41 50
Hauling dirt	665 70
Contingencies, such as moving gas and electric lamps, telegraph and other poles, water-stops, drain-pipes, etc., etc	487 43

Hauling cobble-stone	$ 455 35
Hauling blocks and kerb	3,824 88
Labor of all kinds, including engineering	13,960 00
Expended, 1894	$46,716 21
Expended, 1893	7,465 04
Total	$54,181 25

CONTRACTORS FURNISHING MATERIALS AND PRICES OF SAME.

Granite Blocks.

William Miller	54,507 at	$57 30
Simon J. Kemp	9,000 "	55 25
Westham Granite Company	35,168 "	52 50
William Booth	75,160 "	59 50
Rockport Granite Company	50,000 "	59 30
" " "	25,000 "	59 80
Star Granite Company	41,282 "	49 00

Six-inch Kerb.

Blaisdell & Co	815.4	linear feet at	$1 00
Star Granite Company	808.7¾	" "	72½
" " "	754	" "	75
Venable Bros	2,000	" "	77¾
" "	825	" "	73¾
Hanrahan	1,342.5	" "	1 00

Regulation Gutter-Stones.

J. T. Curley	202	linear feet at	$ 24
J. T. Atkinson	986.6	" "	26
J. Schwind	1,600	" "	25
McClenahan	836.10	" "	23½

Special Gutter-Stones.

J. T. Atkinson	79.6	linear feet at	$2 35
Hanrahan & Son	128	" "	2 39
J. Schwind	36.6	" "	2 35

Sand.

H. Klein	880	cubic yards at	$ 35
J. F. O'Hara	861	" "	35

Gravel.

H. Klein	179	cubic yards at	$ 75
J. F. O'Hara	50	" "	75

McCULLOH STREET, FROM BIDDLE STREET TO NORTH AVENUE.

Asphalt blocks. Ordinance No. 103. Approved May 1, 1893. Source of payment, $6,000,000 Loan. Work commenced April 16, 1894. Completed to north side of Lanvale street June 1, 1894.

The following is the summary of the work done and expenditures:

Length, 1,778 linear feet. Width paved, 35 feet 7 inches.

Asphalt blocks	7,655.63	sq. ft.
New six-inch kerb	3,215.37	lin. ft.
New six-inch kerb, set	3,215.37	"
Circles	188.54	
Circles set	188.54	
Old kerb dressed	74.67	
Headers	370.17	
Gutter-stone (special)	198.25	
Concrete	2.40	cub. yds.
Hauling	137	sq. ft.
Cobble repaving in cross streets	21,039	"
Brick intersections	217.06	"
Sand delivered		
Old kerb reset	258.33	lin. ft.
Stone-cutters	18	days.
Laborer	2¼	"

EXPENDITURES.

Asphalt blocks	$19,139 08
New six-inch kerb	2,797 37
New six-inch kerb set	803 84
Gutter-stone (regulation)	

Circles	$ 328 06	
Gutter-stone (special)	1,239 06	
Circles set	94 27	
Concrete	14 40	
Old kerb dressed	22 40	
Repaving in cross streets	841 56	
Headers	555 26	
Setting and resetting kerb, old and new (contract), at 10 cents per linear foot	25 83	
Brick intersections	271 33	
Setting regulation gutter-stones at 5 cents per linear foot		
Stonecutters	81 00	
Laborers' time	374 00	
Bricks for repaving intersections and for iron-covered gutters		
Hauling blocks and kerb	548 00	
Labor of all kinds, including engineering	628 05	
		$26,850 73
Interest on $2,499.92 retained for two years	299 99	
		$27,150 72

Appropriation	$27,310 99
Expended	27,150 72
Balance	160 27

CONTRACTORS FURNISHING MATERIALS AND PRICES OF SAME.

Six-inch Kerb.

Maryland Paving Co.....3,215.37 linear feet at $ 87

New Circles.

Maryland Paving Co .... 188.54 linear feet at $ 17.4

Special Gutter-Stones.

Maryland Paving Co..... 198.25 linear feet at $ 6 25

BIDDLE STREET, FROM ST. PAUL STREET TO HARGROVE ALLEY.

Vitrified bricks. Ordinance No. 143. Approved October 11, 1894. Source of payment, $6,000,000 Loan. Work commenced October 22, 1894. Completed November 26, 1894.

This little piece of paving is a specimen of vitrified bricks on a concrete base, laid herring-bone style, and makes a first-class pavement of its kind, and, I believe, will be very durable.

The following is a summary of the work done and expenditures:

Length 122 linear feet. Width paved 39.1 feet.
Vitrified brick pavement..... 529 sq. yds.

For hauling bricks and dirt		$315 45
Rolling bricks		40 00
Sand delivered	118	cub. yds.
Concrete foundation	529.17	sq. "
Extra concrete foundation	38.26	" "
Pulverized stone-dust	12	loads.

EXPENDITURES.

Vitrified bricks	$ 451 22
Sand	88 50
For hauling bricks and dust	510 68
For pulverized stone dust	15 00
For rolling bricks	40 00
Labor of all kinds, including engineering	522 87
	$1,943 72

Appropriation	$2,000 00
Expended	1,943 72
Balance	$56 28

CONTRACTORS FURNISHING MATERIALS AND PRICES OF SAME.

Vitrified Bricks.

J. A. Hayden	29,742 at	$15 00
J. A. Hayden	275 "	18 50

Sand.

J. F. O'Hara ..... 118 cub. yds. at 75c.

PARK AVENUE, FROM LEXINGTON STREET TO SARATOGA STREET.

Mosaic Blocks. Ordinance No. 35. Approved April 6th, 1894. Source of payment, $6,000,000 Loan. Work was begun April 9th, 1894. Completed May 5th, 1894. This is another specimen of Mosaic pavement, and has given excellent results.

The following is the summary of work done and expenditures.

Length 428 linear feet. Width paved 21 feet 4 inches.		
Mosaic paving	908.91	sq. yds.
New six-inch kerb,	479.9	"
New six-inch circle	25.2	"
New flagging	250.10	"
Gutter-stone (regulation) old reset	947.42	lin. ft.
Kerb reset	938.29	"
Flagging, old, reset	74.37	"
Cobble repaving in cross streets	1,523.25	sq. ft.
Sand delivered	339	cub. yds.

EXPENDITURES.

Mosaic paving	$1,181 70
New six-inch kerb	479 75
New circles (special)	62 92
Flagstones	70 20

Sand	203 40
Repaving in cross streets	60 93
Setting and resetting kerb, old and new (contract), at 10 cents per linear foot	93 83
Setting regulation gutter-stones, at 5 cents per linear foot	47 37
Setting flagstones (contract), at 75 cents per linear foot	55 78
Contingencies, such as moving gas and other electric lamps, telegraph and other poles, water-stops, drain-pipes, etc	34 24
Hauling blocks and kerb	139 39
Labor of all kinds, including engineering	1,167 57
Expended	$3,597 08

CONTRACTORS FURNISHING MATERIALS AND PRICES OF SAME.

Mosaic Blocks.

Mosaic paving.....909 sq. yds., at $1 75 per yd.

Six-Inch Kerb.

Blaisdell & Co.....479.9, at $1 00

Sand.

J. J. Gallagher.....339 cub. yds., at $ 60

MADISON STREET, FROM CHARLES STREET TO EUTAW STREET.

Mosaic blocks. Ordinance No. 144. Approved April 10, 1894. Source of payment, $6,000,000 Loan. Work

commenced July 9, 1894. Work completed August 18, 1894.

This is a good specimen of the mosaic block paving, and, I believe, will prove very durable.

The following is the summary of the work done and expenditures:

Length, 1,540 linear feet. Width paved, 37 feet 7 inches.	
Mosaic block paving, at $1.75	6,200.18 sq. yds.
Mosaic block repaving, by contract	860 feet.
Three-foot open stone gutters	50.29 lin. ft.
Three-foot open stone gutters, set by contract	50.29 " "
Flagging, new, delivered	887.17 sq. ft.
Flagging, old, reset	30 " "
Dirt hauled	18 loads.
Asphalt blocks hauled	90 "

EXPENDITURES.

Mosaic block paving, at $1.75	$10,914 89
Gutter-stone (special)	291 76
Flagstones	248 40
Repaving in cross streets	45 84
Contingencies, such as moving gas and electric lamps, telegraph and other poles, water-stops, drain-pipes, etc., etc	65 67
Hauling blocks and kerb	45 20
Labor of all kinds, including engineering	807 23
	$12,419 04

FAIRMOUNT AVENUE, FROM PATTERSON PARK AVENUE TO LUZERNE STREET.

Graded, paved and kerbed. Ordinance No. 161, approved May 12, 1893. Source of payment in pursuance of the Act of Assembly, Chapter 219, of the acts of 1892, and assessed as provided in Ordinance No. 33 of 1893.

Expended in 1893.....$ 232 29
" " 1894..... 4,612 98

Work commenced December 17, 1893. Completed April 21, 1894.

The following is the summary of the work done and expenditures:

Length, 1,159.25 linear feet. Width paved, 42 feet for 1,159.25 feet.

Granite block paving.....	38.12	yds.
New flagging.....	1,936.87	sq. ft.
Gutter-stone (regulation), new.....	1,219.6	lin. ft.
Grading	6,135	cub. yds.
Cobble paving.....	34,370.5	sq. ft.
Kerbing.....	1,067.3½	lin. ft.
Repaving.....	3,869	sq. ft.
Resetting kerb.....	235	lin. ft.

EXPENDITURES.

Cobble-stone paving:	$1,976 30
Old 4½-inch kerb	426 92
Gutter-stone (regulation)	365 85
Grading	306 75
Flagstone and gutter-stones	542 32
Belgian block paving	57 18
Setting and resetting kerb, old and new (contract), at 8 cents per linear foot	18 80
Cobble repaving	116 07
Contingencies, such as moving gas and electric lamps, telegraph and other poles, water-stops, drain-pipes, etc., etc	90 04
Hauling blocks and kerb	200 00
Labor of all kinds, including engineering	478 00
	$4,380 23
Less 10 per cent. retained for two years, from April 21, 1894	321 06
	$4,059 17
Expended last year	465 04
	$4,524 21
Retained	321 06
Total	$4,845 27

MONROE STREET, FROM WILKINS AVENUE TO EAGLE STREET; ALSO, EAGLE STREET, ADDISON ALLEY, AND MONROE STREET, FROM EAGLE STREET TO MONROE STREET BRIDGE.

Graded, paved and kerbed. Ordinance No. 29. Approved March 21, 1894. Source of payment, general levy. Work was begun May 19, 1894. Completed August 25, 1894.

The following is the summary of the work done and expenditures:

Length, 1,003.5 linear feet. Width paved, 39.7 feet.

Old four-and-a-half-inch kerb, set and reset	1,027	lin. ft.
Cobble repaving in cross streets	711.56	lin. ft.
Sand delivered	1,333	cub. "

EXPENDITURES.

Cobble-stone paving	$552 01
Sand	600 00
Setting and resetting kerb, old and new (contract), at 10 cents per linear foot	69 70
Setting and resetting kerb, old and new (contract), at 5 cents per linear foot	16 50

Contingencies, such as moving gas and electric lamps, telegraph and other poles, water-stops, drain-pipes, etc., etc.	$ 44 93
Hauling blocks and kerb	58 00
Labor of all kinds, including engineering	4,243 55
	$5,584 69

Appropriation	$5,700 00
Expended	5,584 69
Balance	$115 31

ALICEANNA STREET, FROM CAROLINE STREET TO BOSTON STREET.

Granite blocks. Ordinance No. 28. Approved March 7, 1893. Source of payment, $6,000,000 Loan. Nothing has been done. Material delivered as follows:

The following is the summary of the work done and expenditures:

New six-inch kerb	2,410.67 lin. ft.
New six-inch kerb from other stone.	760
	3,170.67 "

EXPENDITURES.

New six-inch kerb		$1,762 06
Contingencies, such as moving gas and electric lamps, telegraph and other poles, water-stops, drain-pipes, etc. etc.		94 00
Hauling kerb		256 62
Labor of all kinds, including engineering		505 00
		$2,617 68
Expended, 1893		3,976 15
		$6,593 83
Appropriation	$76,000 00	
Expended	6,593 83	
Balance	$69,406 17	

CONTRACTORS FURNISHING MATERIALS AND PRICES OF SAME.

Six-Inch Kerb.

William E. Cavey	702.6 inches,	at $	71½
Venable Bros.	1,708.2 "	"	73¾

FRANKLIN STREET, FROM ST. PAUL STREET TO CHARLES STREET, AND FROM HOWARD STREET TO PENNSYLVANIA AVENUE.

Granite blocks. Ordinance No. 18. Approved February 27, 1893. Source of payment, $6,000,000 Loan.

Nothing done on this street, except some engineering works and the purchase of 75,300 granite blocks, at $32.50 per thousand.

These blocks are small, but of good shape, and will make a most excellent and economical pavement at the above price.

Blocks delivered.....75,300

EXPENDITURES.

Granite blocks	$ 2,447	24
Engineering and pay rolls	135	00
	$2,582	24
Less 10 per cent. retained from block account.	244	72
	$2,337	52
Expended last year	362	73
Total	$2,700	25

PATTERSON PARK AVENUE, FROM MONUMENT STREET TO OLIVER STREET.

Graded, paved and kerbed. Ordinance No. 125. Approved May 8, 1893. Source of payment, to be assessed as provided in Ordinance No. 33, approved March 14, 1893. Work commenced.

Pay-rolls for engineering, labor, etc	$378	58
For advertising	28	25
Total	$406	83

PATAPSCO STREET, FROM ROPE-WALK ALLEY TO OSTEND STREET.

Graded, paved and kerbed. Ordinance No. 109. Approved June 12, 1894. Source of payment in pursuance of the Acts of Assembly, Chapter 219 of the Acts of 1892, and assessed as provided in Ordinance No. 33 of 1893. Work was begun October 6, 1894. Completed October 24, 1894.

The following is the summary of the work done and expenditures:

Length, 122 linear feet. Width paved, 30 feet.

CANTON AVENUE AND ESSEX STREET.

Changing gutters. Resolution 215, approved May 18, 1894. Source of payment, general levy, 1894. Work commenced August 24, 1894. Work completed September 8, 1894.

The following is the summary of the work done and expenditures:

Length, 101 feet 8 inches linear feet. Width of plates, 4 feet.

Old six-inch kerb, reset	165.42	lin. ft.
Gutter-plates, old, from city yards	11.0	
Cobble repaving in cross streets	6,786.34	
Bricks	3,300	
Sand delivered	64	loads.

EXPENDITURES.

Repaving in cross streets, including sand.. .	$330 72
Bricks for iron-covered gutters, 3,300 at $12 per thousand..	39 60
Contingencies, such as moving gas and electric lamps, telegraph and other poles, water-stops, drain-pipes, etc., etc.....	68 31
Hauling gutter-plates..	25 00
Labor of all kinds, including engineering....	390 90
	$764 53

Appropriation....	$800 00
Expended..	764 53
Balance	$35 47

FLAGSTONES, 1894—GENERAL APPROPRIATION.

Ordinance No. 50, of 1894. Appropriation $3,000 Work begun May 14, 1894. Work completed November 17, 1894.

The appropriation for this work being small, it was found necessary to use some of the old flagging from the streets being repaved with improved pavements, to meet the demand made on this department by City Councilmen for crossings in various places; and although the appropriation available was only about 30 per cent. of that of last year, the number of crossings laid was 74 per cent. of those laid in 1893. In the Annex crossings were laid only at the places considered to be of the most importance.

Location A.

1. Across Aisquith street, north side Jackson street.
2. " Alley in rear of 1601 Monument street.
3. " Alley in rear of 1601 Milliman street.
4. " Alley in rear of 1601 Madison street.
5. " Alley west side Caroline street, south of North avenue.
6. " Alley east of Broadway, north side Federal street.
7. " Alley north side Ashland avenue, between Aisquith and Somerset streets.
8. " Alley west side Somerset street, north of Ashland avenue.
9. " Alley east of Broadway, south side Federal street.
10. " Alley east of Broadway, north side Federal street.
11. " Alley east side Bolton street, north of North avenue.

Location B.

12. Across Bond street, north side Monument street.
13. " Bond street, south side Madison street.
14. " Baltimore street, east side Light street.
15. " Brighton street, south side Dolphin street.
16. " Bolton street, south side Lennox street.
17. " Byrd street, south side Bloomberry street.
18. " Beverly street, north side Patapsco street.

Location C.

19. Across Carrollton avenue, north side Fayette street.
20. " Calhoun street, south side Winchester street.
21. " Carey street, north side Saratoga street.
22. " Charles street, north from 1212 to 1211.
23. " Charles street, north side Huntington avenue.

Location D.

24. Across Durham street, south side Madison street.
25. " Durham street, north side Monument street.
26. " Duncan alley, south side Gough street.

Location E.

27. Across Elder alley, north side Biddle street.
28. " Eutaw street, north side Dover street.

Location F.

29. Across Fremont street, south side Russell street.
30. " Fait avenue, east side Luzerne street.
31. " Fremont street, south side Winchester street.
32. " Fremont avenue, north side Bours alley.
33. " Foster alley, south side Mosher street, stepping-stones.

Location G.

34. Across Green street, south side Lombard street.
35. " Gilmor street, south, opposite No. 401.

Location H.

36. Across Huntingdon avenue, east side Maryland avenue.
37. " Hamburg street, west side Leadenhall street.
38. " Hollins street, west side Monroe street.
39. " Huntingdon avenue, west side Charles street.
40. " Hargrove alley, north side Pleasant street.
41. " Hargrove alley, south side Pleasant street.
42. " Hargrove alley, north side Mulberry street.
43. " Hargrove alley, south side Mulberry street.
44. " Hanover street, south side Heath street.
45. " Hanover street, south side Barney street.

Location J.

46. Across Jaspar street, north side Franklin street.
47. " Jefferson street, east side Collington avenue.

Location K.

48. Across Kirby's lane, north side Franklin street.

Location L.

49. Across Lee street, west side bridge.
50. " Lennox street, west side Bolton street.
51. " Lombard street, east side Greene street.

Location M.

52. Across Milliman street, west side Hopkins Place.
53. " Mulberry street, north side Ogston street.
54. " Marshall avenue, south side Randall street.
55. " Morris alley, south side Laurens street, stepping-stones.

Location N.

56. Across North avenue, west side Madison street.
57. " North avenue, east side Caroline street.
58. " North avenue, west side Bond street.

Location O.

59. Across Oliver street, east side Regester street.
60. " Oliver street, west side Regester street.
61. " O'Donnell street, between Hare and Potomac streets.
62. " Oak street, north side Twentieth street.

Location P.

63. Across Plowman street, at Front street.
64. " Preston street, north side Pear alley.
65. " Pear alley, south side Union street.
66. " Pear alley, north side Biddle street.
67. " Paca street, south side Lombard street.

Location R.

68. Across Ramcat alley, north side Mott street.
69. " Ramcat alley, south side Mott street.
70. " Ridge Place, south side Oliver street.
71. " Rogers avenue, west side Hillen street.

Location S.

72. Across Smith street, north side Mosher street.
73. " Smith street, east side Carey street.
74. " Stockton street, south side Winchester street.
75. " St. Mary street, west side Druid Hill avenue.

Location T.

76. Across Tessier street, west side Orchard street.

Location W.

77. Across Wayson alley, south side Eager street.
78. " Wayson alley, south side Madison street.
79. " Walnut alley, north side Pear alley.
80. " Warren avenue, between Light and William streets.
81. " Washington street, south side Preston street.
82. " Washington street, north side Chew street.
83. " Washington street, north side Madison street.

Total crossings laid, 83.

Appropriation		$3,000 00
Deficiency from 1893		107 00
Balance available for 1894		$3,107 00
Expended in 1894:		
Material	$1,344 18	
Labor	1,748 08	
		3,092 26
Balance		$14 74

IMPROVED PAVEMENTS LAID IN THE CITY OF BALTIMORE PREVIOUS TO THOSE LAID UNDER THE FIVE AND SIX MILLION LOANS.

CLASS OF WORK.	LINEAR FT.	SQ. YDS.	MILES.
Granite blocks	74,233	313,334	14.05
Asphalt blocks	17,213	93,752	3.26
Sheet asphalt	7,000	25,649	1.33
Totals	98,446	432,735	18.64

IMPROVED PAVEMENTS UNDER FIVE MILLION LOAN UP TO DECEMBER 31, 1893.

CLASS OF WORK.	LINEAR FT.	SQ. YDS.	MILES.
Granite blocks	22,952	88,543	4.35
Sheet asphalt	16,480	88,156	3.12
Asphalt blocks	15,097	64,326	2.86
Vitrified bricks	1,386	6,514	0.26
Totals	55,915	247,539	10.59

IMPROVED PAVEMENTS UNDER SIX MILLION LOAN UP TO DECEMBER 31, 1893.

CLASS OF WORK.	LINEAR FT.	SQ. YDS.	MILES.
Granite blocks	13,267	52,007	2.51
Sheet asphalt	12,004	50,212	2.27
Asphalt blocks	9,803	40,580	1.86
Vitrified bricks	469	2,058	0.09
Totals	35,543	144,857	6.73

IMPROVED PAVEMENTS LAID DURING THE YEAR ENDING DECEMBER 31, 1894, UNDER THE SIX MILLION LOAN.

CLASS OF WORK.	LINEAR FT.	SQ. YDS.	MILES.
Granite blocks	43,507	132,387	8.24
Asphalt blocks	1,795	7,459	0.34
Mosaic blocks	1,954	7,109	0.37
Vitrified bricks	106	529	0.02
Totals	47,362	147,484	8.97
Grand totals	237,266	972,615	44.93

GUTTER-PLATES.

As there were no special ordinances or general appropriations for gutter-plates for 1894, it was necessary, on the improved streets paved during the year, to charge the cost against the said streets; in the case of repairs, the cost was charged principally to "repairs of paved streets," and the balance to "repairs of sewers," both of which were provided for by general appropriations.

LOCATION OF NEW GUTTER-PLATES PUT DOWN IN 1894.

Boston street and Montford avenue. This was done in connection with Boston street improvement, and charged to Boston street.

Pratt and east side of Payson, Pratt and east side of Pulaski streets, Pratt and west side of Pulaski streets. These were done in connection with Pratt street improvement, and charged to Pratt street.

Fort avenue and Light street. This was done in connection with Light street improvement, and charged to Light street.

Caroline and Eager streets. This was done in connection with Gay street improvement, and charged to Gay street.

REPAIRS OF GUTTER-PLATES IN 1894.

Charles and Lexington streets.
Hanover and Pratt street (four times).
Charles and Franklin streets (twice).
Eutaw and Lexington streets.
Fayette and Howard streets.
Richmond Market.
Baltimore and Fremont streets.
Sharp and Pratt streets.
Gilmor and Lexington streets.
Howard and Pratt streets (three times).
Lombard and Frederick streets (twice).
Lexington and Liberty streets.
Greene and Fayette streets.
Washington and Aliceanna streets (twice).
Bath and Calvert streets.
Aliceanna and Ann streets.
Baltimore and Caroline streets.
Light and Cross streets.
Front and Fayette streets.
Fort avenue and Light streets.
Pratt and Charles streets.
Fairmount avenue and Wolfe street.
Baltimore and Charles streets.
Stricker and Lombard streets.
Hanover and Camden streets.
Lancaster and Ann streets.

Eutaw and Pratt streets.
Paca and Pratt streets (twice).
Charles and Cross streets.
Greene street and Burgundy alley.
German street and Hopkins Place.
Fort avenue and Hanover street.
Pratt and Gilmor streets.
Pratt and Ellicott streets.
Pratt and Scott streets.
North and Greenmount avenues.
Baltimore and Hollins streets.
Charles and German streets.
Calvert and German streets.
Madison avenue and Biddle street.
Essex street and Canton avenue.
Greenmount avenue and Biddle street.

BOARD-WALKS.

Philadelphia road, from Luzerne street to Eastern city limits. Charged to repairs of unpaved streets.

Scott street, from Ohio avenue to Baltimore and Ohio Railroad tracks. Charged to repairs of unpaved streets.

Clement street, in front of city yard. Charged to city property.

Ferry Point road, from Marshall avenue to Cutaiar's. Resolution 113 of 1894. Appropriation, $1,000; expended, $947.27. Balance, $52.73.

North avenue from Mount Royal avenue to temporary bridge.

FENCES.

Around Winder-street lot.
" Cross-street lot.
" Washington-street lot.
" Ramsay-street lot.
" Winkens-avenue lot.

DRAIN-BOXES.

Eagle street and Addison alley.
Fairmount avenue and Luzerne street.
Foster alley and Luzerne street.
Ostend and Hanover streets.
Loney's lane.
Hillen street.
Fort avenue and Lorman street.
Luzerne and Fayette streets.
Clement street and Fifth lane.
North avenue.

GRANITE BLOCKS DELIVERED BY VARIOUS CONTRACTORS IN 1894.

McClenahan & Bros.	361,858
Alonzo Abbott	48,000
Rockport Granite Company	150,000
William Booth	100,160
Westham Granite Company	510,097
Venable Bros	1,203,454
William Miller	56,117
Star Granite Company	173,115
Robert Mason	50,504
Matthew Gault & Son	279,117
Simon J. Kemp	137,109
Rennie & Mackintosh	104,885
Guilford and Waltersville Granite Company	375,693
R. F. Foster	902,956
J. B. Bland & Co	96,246
W. F. Weller	26,120
J. G. Miller	23,885
Total number of blocks	4,599,316

Streets in Baltimore Repaved up to December 31, 1894, with Improved Pavements.

Street.	From	To	Class of Work.	Date of Beginning.	Date of Completion.	Length in Feet.	Length in Miles.	No of Ord.	Date of Approval.	Source of Payment.	Appropriation.	Amount Expended.	Balance.	Remarks.
Gay street	Aisquith street	North avenue	Granite blocks	August 13, 1894	October 25, 1894	7,107	1.35	15	February 27, 1893	Six Million Loan.	$166,000 00	$94,267 71	$71,732 29	Completed.
Light street	Pratt street	Fort avenue	" "	January 30, 1894	May 3, 1894	3,437	.65	17	February 27, 1893	" "	135,000 00	91,843 23	43,156 77	Transferred to Pratt street.
St. Paul street	Lexington street	Monument street	" "	May 18, 1894	October 26, 1894	2,257	.43	21	March 2, 1893	" "	150,000 00	113,177 26	36,822 74	" "
Holliday street	Lexington street	North avenue	" "	June 14, 1894		8,424	1.58	24	March 6, 1893	" "	180,000 00	135,622 59	44,377 41	Almost completed.
Poppleton street	Columbia avenue	Lexington street	" "	April 19, 1894	May 30, 1894	2,927	.56	30	March 7, 1893	" "	52,000 00	51,210 09	789 91	Completed.
Park avenue	Lexington street	Saratoga street	Mosaic "	April 9, 1894	May 5, 1894	427	.08	35	April 6, 1893	" "	75,000 00	3,597 08	71,402 92	Completed.
Boston street	Chester street	Eastern City Limits.	Granite "	April 19, 1894	August 18, 1894	5,369	1.01	39	March 16, 1893	" "	105,000 00	93,872 01	11,127 97	Completed.
Fort avenue	Hanover street	Martin street	" "	October 25, 1894		2,430	.46	45	March 22, 1893	" "	100,000 00	54,181 25	45,818 75	Under construction.
Montgomery street	William street	Charles street	" "	May 3, 1894	June 9, 1894	824	.16	78	April 20, 1893	" "	†			Completed.
Hill street	Light street	Charles street	" "	June 11, 1894	June 30, 1894	494	.09	78	April 20, 1893	" "	†			Completed.
McCulloh street	Biddle street	North avenue	Asphalt "	April 16, 1894	June 1, 1894	1,778	.34	103	May 1, 1893	" "	‡ 27,310 99	24,350 81	160 27	Completed to Lanvale street.
Pratt street	Howard street	Frederick avenue	Granite "	August 14, 1894	December 27, 1894	9,376	1.78	123	May 8, 1893	" "		153,738 78	4,751 48	Completed.
Biddle street	St. Paul street	Hargrove alley	Vitrified bricks	October 22, 1894	November 16, 1894	122	.02	143	October 11, 1894	" "	2,000 00	1,943 72	56 28	Completed.
Madison street	Charles street	Eutaw street	Mosaic blocks	July 9, 1894	August 18, 1894	1,539	.29	144	April 10, 1894	" "		12,419 04		Completed.
Fayette street	Calvert street	Liberty street	Granite blocks	March 31, 1894		1,466	.28	217	October 14, 1893	" "		33,289 34		*Under construction.
												$863,512 91		

Total length in feet ..... 47,977 Total length in miles ..... 9.08.

†Included in Light street.
‡Balance left from Front street.

*This work was almost all taken up on account of the new railway tracks, making in all a total of about 4,630 square yards paved and repaved.

Granite Blocks Delivered by Various Contractors in 1894.

Names of Contractors.	No. of Blocks.	Names of Contractors.	No. of Blocks.	Names of Contractors.	No. of Blocks.	Names of Contractors.	No. of Blocks.
McClenahan Bros	361,858	Venable Bros	1,203,454	Simon J. Kemp	137,109	W. F. Weller	26,120
Alonzo Abbott	48,000	William Miller	56,117	Rennie & McIntosh	104,185	J. G. Miller	23,885
Rockport Granite Co	150,000	Star Granite Co	173,115	Guilford & Watersville	375,693		
William Booth	100,160	Robert Mason	50,504	R. F. Foster	902,956		4,599,316
Westham Granite Co	510,097	M. Gault & Son	279,117	J. B. Bland & Co	96,246		

Respectfully submitted,

A. LESLIE DUVALL,

Assistant City Commissioner

Mr. Charles A. Hook, Assistant City Commissioner, has charge of repairing, maintaining, etc., the streets, roads and bridges in the Annex. He has also the general superintendence of the construction of the Bruce-alley sewer and the extension northwardly of Patapsco-street sewer. His report, which follows, gives a clear statement of the various operations of his department, and the appropriations and expenditures during the year.

CAPT. A. E. SMYRK, *City Commissioner*:

DEAR SIR:

I herewith submit my report for the year ending December 31, 1894.

PATAPSCO-STREET SEWER.

Ordinance No. 61.

This work was described so far as it was completed in my report for the year ending December 31, 1893, but as the work has since been entirely finished, I shall be compelled to restate portions of my last report, so that this being the final report, it will be complete in itself.

This sewer is circular in form, with a diameter of six feet. It joins the Harford-Run sewer at Monument and Patapsco streets, and runs thence in the centre of Patapsco street a distance of 1,332.7 feet to the north side of the Union Railroad embankment. Of this

sewer, 1,155 feet were built in open cut and 177.7 feet in tunnel. In the open cut work, 657 feet are supported in a cradle of rubble masonry; the balance, 498 feet, being in excavation with good natural foundations. The cradle of masonry was dispensed with, and the sewer blocks and bottom brick courses laid in a bed of Portland cement. The entire arch is supported with a spandrel wall of masonry, all laid in hydraulic cement. Connections for inlets have been made at Madison and Chew streets. Two man-holes were placed in this sewer—one at Madison and one at Chew streets. This work was finished about the 1st of May, 1894.

NAMES OF CONTRACTORS WHO FURNISHED MATERIALS.

Bricks—Smith & Schwarz Brick Co, $7.40 per thousand.

Rubble-stone—James H. Atkinson, $2.25 per cubic yard.

Sewer blocks—McClenahan & Bro., $3.20 per square yard.

Cumberland cement—National Building Supply Co., $1.03 per barrel.

Portland cement—Wm. Wirt Clarke & Son, $2.49 per barrel.

Sand—Frank Fallon, 74 cents per cubic yard.

Appropriated	$25,400 00
Expended	24,515 79
Balance	$884 21

BRUCE ALLEY SEWER.

Ordinance No. 75, approved April 14, 1893.

The location and dimensions of the Bruce-alley sewer are as follows:

Beginning at the north side of North avenue, and connecting with the existing sewer in Bruce alley at that point, the new sewer will be constructed in the bed of Bruce alley, with a diameter of 7.25 feet, to the south side of Clifton avenue, a distance of 690 feet, thence in the bed of Clifton avenue, with a diameter of 7 feet, to the intersection of Clifton avenue and Monroe street, a distance of 693 feet. Total length of large sewer, 1,383 feet.

There will also be a branch sewer, 3.5 feet in diameter, connecting, by a drop, with the 7.25-foot sewer at the intersection of Clifton avenue and Bruce alley, and extending in Clifton avenue to Pennsylvania avenue; thence in Pennsylvania avenue to Fulton avenue, a distance of 516 feet.

When placed in charge of the construction of the proposed Bruce-alley sewer, toward the latter part of May, 1894, I found that the entire sewer, with the exception of about 340 feet of the 3.5-foot sewer to be built in Pennsylvania avenue, would pass through private property; Bruce alley and Clifton avenue never having been

condemned and opened, and that the right of way for the construction of the sewer through said property had not been obtained. Upon learning the facts, I at once took steps towards securing the right of way and for preparing detail plans for the work.

The right of way through all property affected by the construction of the sewer was secured, except in the case of the estate of Lewis Turner, which binds on the north side of North avenue. The heirs of said estate refused to sign the agreement, in consequence of which, the work was commenced at a point 264 feet north of North avenue, a short distance north of the northern line of the Turner property.

All necessary preliminaries were completed about the first of May, and the work was started on May 8, 1894.

The grade of the sewer in Clifton avenue, from Bruce alley to the west side of Fulton avenue, lies at the depth of about 25 feet below the surface, and for the purpose of avoiding possible danger to adjacent buildings and the confusion and delay attendant upon open work in a narrow street occupied by railway tracks, I concluded to abandon open cut and to drive a tunnel under Clifton avenue between the points named. The length of the tunnel, when completed, will be 203 feet.

The inverts of the 7.25-foot sewer and the 7-foot sewer consist of granite blocks from 5½ to 6 inches in thickness, and it was originally intended to use the

same material in the invert of the 3.5-foot sewer. After carefully considering the matter I concluded that it would be better to use vitrified bricks for the invert of the small sewer, thus securing a true circular shape and smooth surface, and also reducing the difficulties of construction. After coming to the above conclusion I submitted my plans to you and they received your approval.

Before ordering vitrified bricks I obtained samples and prices from several dealers, and also all the information relative to this subject which I could get, and finally concluded to adopt a brick furnished by Col. J. A. Hayden. This brick has, I am informed, been used for sewer purposes in Washington and will, I believe, prove satisfactory. The vitrified bricks are delivered at Camden Station for $18.50 per thousand.

The material excavated up to December 31 has consisted largely of rock, requiring the use of dynamite in its removal.

Total length of sewer 7.25 feet in diameter, in open cut	690	feet
Total length of sewer 7 feet in diameter, in open cut	693	"
Total length of sewer 7 feet in diameter, in tunnel	203	"
Total length of sewer 3.5 feet in diameter, in open cut	516	"
	2,102	feet

WORK DONE TO DECEMBER 31, 1894.

Sewer 7.25 feet in diameter, completed from a point 264 feet north of North avenue to the south side of Clifton avenue, including connecting chamber and water drop; length 426 feet.

Sewer 7 feet in diameter, in open cut, completed from the west side of Fulton avenue to a point 217 feet west of said avenue.

Sewer 7 feet in diameter, in tunnel, completed for a distance of 50 feet.

The 3.5-foot sewer has just been commenced.

Amount paid to City Register	$ 5 00
Amount appropriated	78,700 00
	$78,705 00
Amount expended to December 31, 1894	22,566 41
Balance	$56,138 59

LIST OF CONTRACTORS FURNISHING MATERIALS AND CONTRACT PRICES.

John G. Schwind, stone, at $1.54⅜ cubic yard.

Daniel Donnelly & Son, hand-made bricks, at $7.90 per 1,000.

James R. Busey & Son, machine-made bricks, at $7.10 per 1,000.

James Cremen, sand, at $0.49 per cubic yard.

P. M. Womble, North Carolina pine, at $12.80 per 1,000 feet b. m.

P. M. Womble, Virginia pine, at $11.85 per 1,000 feet b. m.

P. M. Womble, white pine, at $21.00 per 1,000 feet b. m.

Mystic Quarry Company, granite blocks, at $155 per 1,000.

National Building Supply Company, Portland cement, at $2.40 per barrel.

National Building Supply Company, domestic cement, at $0.98 per barrel.

John Bullock & Son, Round Top cement, at $1.02 per barrel.

PATAPSCO-STREET SEWER EXTENDED.

Ordinance No. 41.

This sewer is an extension of the Patapsco-street sewer, joining it at its terminus on the north side of the Union Railroad embankment, and runs thence in the bed of Patapsco street to Chase street, to Luzerne street, to Biddle street, to Cannon street, to the north side of Hoffman street.

The work was commenced June 18, 1894, and has been energetically pushed forward until the close of the

present year, when the work was necessarily stopped on account of the severe freezing weather. The first section consists of a circular brick sewer, with a diameter of 5 feet. It has the stone invert, laid in Portland cement, and is backed up its entire length with a rubble wall laid in cement. This section is 1,065 feet in length, of which, in consequence of its depth under the surface, 135.6 feet were tunneled.

The cutting throughout this section averaged a depth of about 17 feet. In view of the heavy expense necessary to handle dirt at such a great depth, an arrangement was made with Mr. C. R. Weaver to lift and transport the excavated material from the cut to the place of deposit by a machine built for that purpose.

By the use of this machine the work has been advanced and done at considerably less cost than would have been the case had it all been done by manual labor. With the exception of one arch left off for temporary drainage purposes, this five-foot section has been entirely completed to the south building line of Biddle street.

NAMES OF CONTRACTORS FURNISHING MATERIALS.

Bricks—Smith & Schwarz Brick Company, $7.40 per thousand.

Sewer blocks—Feaney & Peach, $2.95 per square foot.

Rubble-stone—John T. Curley & Company, $1. 59 per cubic yard.

Cumberland cement—National Building Supply Company, $ .97 per barrel.

Portland Cement, National Building Supply Company, $2.38 per barrel.

Allowed for M. T. barrels, National Building Supply Company, $ .10 per barrel.

Round Top cement—John Bullock & Sons, in bags, $1.05 per barrel.

Sand—Charles H. Elliott, $ .65 per cubic yard.

Lumber, Va., P. M. Womble, $12.48 per thousand.

Lumber, W. P. barn-boards—P. M. Womble, $20.45 per thousand.

Appropriated	$52,000 00
Expended	17,770 36
Balance	$34,229 64

IMPROVEMENT, HARFORD RUN.

Paved around an inlet on corner Wolfe and Preston streets; put in inlet pipe at Townsend and Castle streets, and built up around pipe with rubble masonry, raised kerb and repaired two inlets on Lanvale street near Washington street, and finished two manholes to grade of Lanvale street near Washington street.

Amount expended..... $162 01

CITY PROPERTY.

Under this head Clendenin street at the intersection of Madison avenue, west side, was opened, two new six-inch granite kerb circles were set and a strip of about 12 feet of Belgian block work paved in line with the sidewalk.

Amount expended..... $99 92

Resolution No. 224. *To Repair, Etc., Bridges in Twenty-first Ward.*

New floors put in bridges on Union avenue, repaired and painted Clipper bridge, two bridges on Slingluff avenue, one on Old Liberty road, and one on Cedar avenue, repaired floor on Edmondson-avenue bridge, rebuilt bridge on Calverton road, repaired culvert on Falls road north of Hampden.

Appropriated.....	$2,500 00
Expended	2,491 25
Balance.....	8 75

Resolution No. 204, *Ninth Street.*

This work consisted in the grading, paving of gutters and surfacing of Ninth street with hard material, between Walbrook avenue and Northwest street. This work was all completed in accordance with the plans.

Appropriated.....	$3,500 00
Expended.....	3,493 98
Balance.....	$ 6 02

Resolution No. 168, *Park Heights Avenue.*

This work consisted in the regrading and macadamizing of Park Heights avenue, commencing at the north city boundary and completing the work for a distance of twelve hundred feet. This work consisted first in shaping the road-bed to a systematic grade, the subgrade where excavation was necessary being about twelve inches below the finished grade, thus making the road metal 12 inches in depth. On the west side of the road a 4-inch kerbing is set, which supports a sidewalk; a gutter is formed by setting three asphalt blocks against and parallel with the curb. Against this the broken stone was placed and rolled. The east side being bounded by the electric railway, a gutter was formed by binding the stone at the foot of the rebutt of the railway. All the stone used was of the "niggerhead" variety, and crushed by the city's crusher. The plan as adopted in perfecting this driveway gives a roadbed of 35 feet and a sidewalk of 8½ feet, which is essential where there is such a number of vehicles using the road at the same time.

The stone was purchased from William Hare at 73 cents per cubic yard.

Amount appropriated	$3,000 00
Amount expended	2,993 63
Balance	$ 6 37

Resolution No. 261, *Garrison Avenue.*

This work consisted in the dressing of Garrison avenue with crushed "nigger-head" stone. Commenced at the Liberty road and completed the same, a distance of 1,635 linear feet. This part of the road was also widened and macadamized 4 feet, its entire length. The side road was also shaped up, and a culvert built at the intersection of the Old Liberty road.

Appropriated	$1,000 00
Expended	996 70
Balance	3 30

STREETS IN ANNEX.

Under this head the following work was done: Third avenue, between the Falls road and Chestnut avenue, was graded; gutters paved and partly dressed with crushed stone; also several inlets were built in connection with this work; Huntingdon avenue macadamized between Oak street and the York road; built check-dams on First and Cedar avenues; 900 loads of oyster shells were put on Erdman avenue, between Harford and Belair roads; macadamized Twenty-fourth street, between Maryland and Charles street avenues; shelled and ditched Loney's lane; repaired sewer and crossing at Old York road, Waverly; filling ditches on First avenue; built stone dam on Remington avenue; paved gutter on Old York road; repaired washout Merryman's

avenue; repaired sewer on Richmond street; filled washout Cedar avenue; macadamized Camp street, between Guilford avenue and York road; built inlet at Twenty-fifth street and Huntingdon avenue; macadamized St. Paul street; ditched Eleventh street; paved gutters Guilford avenue, between Twenty-third and Twenty-fourth streets; removed car tracks Twentieth street; macadamized Twenty-first street; put in box and filled washout on Twenty-third street; filled washout on Fourth avenue, Hampden; ditched Gilmor lane; macadamized Twenty-third street, from Guilford avenue to Hunter alley; repaired box on Frisby street; paved gutters Sycamore avenue; paved gutters on Falls road, between Third and Union avenues; dressed Falls road with crushed stone, from Third avenue to culvert north of Hampden; graded and ditched Old Liberty and Windsor Mill roads; dressed Sycamore avenue with crushed stone; ditched Liberty road and Edmondson avenue; graded and ditched Slingluff avenue; dressed Union avenue with broken stone; repaired culvert Morris avenue; ditched Kate avenue; ditched Walbrook avenue; ditched Garrison lane; repaved gutter Lennox street and Park avenue; cleaned gutters Edmondson avenue and Brunswick street; dressed Old Liberty road with crushed stone; repaired two bridges on Edmondson avenue; repaired bridge Morris avenue; repaired Clipper footbridge; cleaned ditches Park Heights avenue; repaired washout Union avenue; repaired Lanvale street, near Calverton road; macada-

mized Brunswick street; graveled Clifton and Fulton avenues; repaired washout Rayner avenue; cleaned gutters North avenue, Old Frederick road and Fulton avenue; repaired gutters Rayner avenue, Florence and Lanvale streets; macadamized Kate avenue; repaved Kensett street; graded and ditched Franklin street; macadamized Park Heights avenue, between park gate and Old Pimlico road; graded and ditched Maiden's Choice lane, etc.

Appropriated	$22,432 00
Expended	22,422 29
Balance	$9 71

Respectfully submitted,

CHARLES A. HOOK,

Assistant City Commissioner.

The matter of testing cements for the various works that have been carried on during the year, has been followed up very closely by Mr. C. B. Marriott, Inspector, and good results have been obtained, and I am satisfied that the quality of the cement put in the work has been improved thereby.

All of which is respectfully submitted,

A. E. SMYRK,

City Commissioner.

TABLES.

TABLE A.

Showing the Amounts of Appropriations and the Balances due, for the Year ending 31st December, 1894.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Repairs of sewers and inlets	$7,500 00			
Paid Register	3,780 55			
		$11,280 55	$ 6,645 18	$ 4,635 37
Flag and stepping-stones		3,107 00	3,092 26	14 74
Repairs of paved streets	$90,130 21			
Paid Register	252 98			
		90,383 19	89,982 50	400 69
Repairs of bridges	$8,937 11			
Paid Register	9 32			
		8,946 43	7,316 72	1,629 71
Repairs of unpaved streets		5,442 11	4,928 28	513 83
Paving and repaving in front of city property		800 00	793 51	6 49
Baltimore-street bridge, paid Register		1,000 00		1,000 00
Block-street drawbridge	$4,000 00			
Paid Register	14 63			
		4,014 63	3,968 69	45 94

Columbia-avenue bridge	$27,000 00			
Paid Register	1 00			
		27,001 00	4,380 75	22,620 25
Douglas-street bridge, balance	$3,247 19			
Less transferred to account for Ramsay-street bridge	1,800 00			
		1,447 00	382 09	1,064 91
Edmondson-avenue bridge, balance	$29,838 00	29,838 00	12,656 19	17,181 81
Light-street bridge		7,500 00	7,468 26	31 74
Maryland-avenue bridge, balance	$19,605 89			
Paid Register	624 65			
	$20,230 54			
Less transferred to account for Ramsay-street bridge	5,000 00			
		15,230 54	14,333 20	897 34
North Monroe-street bridge		12,700 00	3,462 89	9,237 11
Carried forward		$218,690 45	$159,410 52	$59,279 93

TABLE A—Continued.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward		$218,690 45	$159,410 52	$59,279 93
North-avenue bridge, balance	$236,981 50			
Collected by Comptroller, from Water Department	9,000 00			
Paid Register	16 55			
		245,998 05	212,413 06	33,584 99
Ramsay-street bridge, balance	$1,227 95			
Transferred from account for Douglas-street bridge	1,800 00			
Transferred from account for Maryland avenue bridge	5,000 00			
Paid Register	183 40			
		8,211 35	7,863 33	348 02
Aliceanna street, repaving, Six Million Loan, balance		72,023 85	2,617 68	69,406 17
Arlington avenue, repaving, Five Million Loan, percentage retained		1,967 18	1,967 18	
East Baltimore street, repaving, Six Million Loan		23 00	23 00	

Boston street, repaving, Six Million Loan, balance	$99,279 67					
Paid Register	758 05					
		100,037	72	88,151	68	11,886 04
Biddle street, repaving, Six Million Loan		2,000	00	1,943	72	56 28
Broadway, repaving, Five Million Loan, percentage retained		19,725	81	19,725	81	
Concord street, repaving, Six Million Loan	$7,013 37					
Paid Register	63 85					
		7,077	22	6,246	74	830 48
Chase street, repaving, Six Million Loan	$395 30					
Paid Register	182 80					
		578	10	395	30	182 80
Columbia avenue, repaving, Five Million Loan, paid Register		791	08			791 08
Calvert street, repaving, Five Million Loan, percentage retained		2,370	38	2,370	38	
Chase street, repaving, Five Million Loan, percentage retained		1,049	68	1,049	68	
Davis street, repaving, Six Million Loan		19,766	50	52	00	19,714 50
Eager street, repaving, Six Million Loan		20,033	82	59	18	19,974 64
Eutaw Place, repaving, deficiency, year 1893		6,088	25	6,088	25	
Carried forward		$726,432	44	$510,377	51	$216,054 93

TABLE A—Continued.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward		$726,432 44	$510,377 51	$216,054 93
Frederick avenue, repaving, Six Million Loan, balance	$79,458 95			
Less transferred to account for Pratt street	78,510 75			
	$948 20			
Paid Register	229 75			
		1,177 95	948 20	229 75
Fort avenue, repaving, Six Million Loan, balance	$92,534 96			
Paid Register	33 07			
		92,568 03	46,716 21	45,851 82
Front street, repaving, Six Million Loan, balance	$29,844 54			
Less transferred to account for McCulloh street	27,310 99			
		2,533 55	472 30	2,061 25
Fayette street, repaving, Six Million Loan, balance	$33,279 34			
Paid Register	14 25			
		33,293 59	33,279 34	14 25

Franklin street, repaving, Six Million Loan, balance			41,669 27	2,369 52	39,299 75
Gay street, repaving, Six Million Loan, balance	$165,268 92				
Paid Register	132 10				
			165,401 02	93,536 63	71,864 39
Holliday and other streets, repaving, Six Million Loan, balance	$174,444 94				
Paid Register	171 26				
			174,616 20	130,067 53	44,548 67
Hanover street, repaving, Five Million Loan, balance	$23 68				
Paid Register	45 00				
			68 68	5 00	63 68
Hanover street, repaving, Five Million Loan, deficiency, year 1893			1,709 43	1,709 43	
Light street, repaving, Six Million lion Loan, balance	$123,993 00				
Less transferred to account for Pratt street	43,156 77				
	$80,836 23				
Paid Register	449 83				
			81,286 06	80,836 23	449 83
Lafayette avenue, repaved, Five Million Loan, percentage retained			9,104 94	9,104 94	
Lafayette avenue, repaved, Six Million Loan			84 00	84 00	
Carried forward			$1,329,945 16	$909,506 84	$420,438 32

TABLE A—Continued.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward		$1,329,945 16	$909,506 84	$420,438 32
Maryland avenue, repaving, Six Million Loan, balance		31,288 99	40 50	31,248 49
Mount street, paving, percentage retained		422 32	422 32	
Madison street, repaving, deficiency, year 1893		182 52	182 52	
Northeast Market, streets around, deficiency, year 1893		1,703 20	1,703 20	
Mulberry street, repaving, percentage retained		1,309 87	1,309 87	
Madison street, repaving, Six Million Loan	12,419 04			
Paid Register	605 85			
		13,024 89	12,419 04	605 85
McCulloh street, repaving, Six Million Loan		27,310 99	24,350 81	2,960 18
Poppleton street, repaving, Six Million Loan, balance		51,696 25	50,906 34	789 91
Park avenue, repaving, Six Million Loan	$75,000 00			
Paid Register	43 60			
		75,043 60	3,597 08	71,446 52
Pleasant street, repaving, Six Million Loan		7,500 00	2 56	7,497 44

Pratt street, repaving, Six Million Loan, transferred from account for Light street	43,156 77			
Pratt street, repaving, Six Million Loan, transferred from account for Frederick avenue	78,510 75			
Pratt street, repaving, Six Million Loan, transferred from account for St. Paul street	36,822 74			
	158,490 26			
Paid Register	64 83			
		158,555 09	153,738 78	4,816 31
Preston street, to grade, kerb and pave		305 00	305 00	
Patapsco street, to grade, kerb and pave:		50 00	50 00	
Park avenue, percentage retained		91 60	91 60	
Riggs avenue, to grade, kerb and pave		104 75	104 75	
Richmond Market, streets around, percentage retained		1,703 20	842 74	860 46
St. Paul street, repaving, Six Million Loan	85,158 85			
Less transferred to account for Pratt street	36,822 74			
	48,336 11			
Paid Register	240 15			
		48,576 26	48,336 11	240 15
Carried forward		$1,748,813 69	$1,207,910 06	$540,903 63

TABLE A—Continued.

Accounts.	Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward	$1,748,813 69	$1,207,910 06	$540,903 63
Saratoga street, repaving, Six Million Loan	10,089 82	20 52	10,069 30
Cross streets, paving and repaving of	5,000 00	4,933 52	66 48
Canton avenue and Essex street, to change gutter	800 00	764 53	35 47
Eutaw street at Biddle street, straightening, balance	5 00	5 00	
Fairmount avenue, grading, paving and kerbing	4,293 32	4,293 32	
Gold street, grading, paving and kerbing	26 65	26 65	
Johnson street, grading, paving and kerbing	30 00	30 00	
East Lanvale street, grading, balance	500 00	380 00	120 00
Leadenhall street, shelling	300 00	265 36	34 64
Monroe street, grading	5,700 00	5,584 69	115 31

McCulloh street, from Eutaw to Biddle streets, to grade	402 50	402 50	
Marshall avenue, boardwalk	1,000 00	947 27	52 72
North avenue, paving, etc	4 80	4 80	
Patterson Park avenue, paving, etc	378 58	378 58	
Townsend street, paving, etc	201 78	201 78	
Wolfe street, paving, etc	310 00	310 00	
Drain-pipe, Light street	200 00	200 00	
Harford run, improvement of	17,679 20	201 14	17,478 06
Incidentals	200 00	53 40	146 60
Inlets, various places, deficiency, year 1893	114 36	114 36	
Inlets, Fulton avenue	4,000 00	3,942 19	57 81
Inlets, Carey and Franklin streets	1,050 00	1,049 33	67
Inlets, McKim and Eager street	350 00	332 45	17 55
Inlets, Monument street and Central avenue	1,100 00	1,100 00	
Carried forward	$1,802,549 70	$1,233,451 45	$569,098 25

TABLE A—Continued.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward		$1,802,549 70	$1,233,451 45	$569,098 25
Inlets, Franklin and Woodyear streets, transferred from account for Eutaw and Fayette-streets sewer		2,000 00	1,983 35	16 65
Inlets, West and Race streets		1,000 00	958 36	41 64
Inlets, Pennsylvania avenue and Pearl street		500 00	382 83	117 17
Iron gutter plates, deficiency, year 1893		50 00	39 24	10 76
Iron gutter-plates		267 76	267 76	
Livery		660 00	660 00	
Salaries		9,900 00	9,900 00	
Prospect square, removing railing, etc	150 00			
Paid Register	16 00			
		166 00	149 83	16 17
Public Printing, deficiency, year 1893		28 75	28 75	
Druid Hill-avenue I. sewer, balance	46,706 45			
Transferred from account for Penn-street sewer	5,000 00			
Transferred from account for Preston-street sewer	7,000 00			

Transferred from account for Eager-street sewer	1,000 00			
Transferred from account for Eutaw and Fayette-streets sewer	4,500 00			
Transferred from account for Pulaski-street sewer	2,500 00			
Appropriation, per Ordinance 144, of 1894	15,000 00			
	$81,706 45			
Paid Register	23 70			
		81,730 15	66,724 84	15,005 31
Sewer in Bush and other streets, balance	$ 39,085 17			
Appropriation	161,000 00			
	$200,085 17			
Paid Register	104 70			
		200,189 87	197,502 42	2,687 45
Sewer in North Charles street, balance	$89,611 36	89,611 36	24,768 02	64,843 34
Carried forward		$2,188,653 59	$1,536,816 85	$651,83 6 74

TABLE A—Continued.

Accounts.			Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward			$2,188,653 59	$1,536,816 85	$651,836 74
Federal-street sewer, balance		30,466 90			
Paid Register		3 60			
			30,470 50	18,134 46	12,336 04
Patapsco-street sewer, balance			8,286 15	7,401 94	884 21
Patapsco-street sewer, extension of			52,000 00	17,770 36	34,229 64
Penn-street sewer, balance		18,541 81			
Transferred to account for Druid Hill-avenue I. sewer		5,000 00			
			13,541 81	13,272 33	269 48
Eutaw and Fremont streets-sewer, balance		$18,262 32			
Transferred to account for Druid-Hill avenue I. sewer	4,500 00				
Transferred to inlets, Franklin and Woodyear streets	2,000 00				

Transferred to inlets, Fulton and Monroe streets	4,000 00			
		10,500 00		
		$7,762 32		
Paid Register		154 69		
			7,917 01	6,704 10	1,212 91
Sewer in Presbury street			2,879 94	2,083 42	796 52
Carey-street relief sewer			870 03	533 28	336 75
Pulaski-street sewer, balance		$5,052 21			
Less transferred to account for Druid Hill-avenue I. sewer		2,500 00			
			2,552 21	294 67	2,257 54
Fremont-avenue sewer			113,200 00	24,038 51	89,161 49
Bruce-alley sewer		$78,700 00			
Paid Register		5 00			
			78,705 00	22,566 41	56,138 59
Fort-avenue sewer			66,000 00	14,275 78	51,724 22
Barclay-street sewer			4,000 00	3,736 59	263 41
Orleans-street sewer			8,000 00	3,391 44	4,608 56
Sewer in Preston and other streets, balance		$8,219 49			
Transferred to account for Druid Hill-avenue I. sewer		7,000 00			
			1,219 49		1,219 49
Carried forward			$2,578,295 05	$1,671,020 14	$907,275 59

TABLE A—Continued.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward		$2,578,295 05	$1,671,020 14	$907,275 59
Sewer in Eager and other streets, balance	1,013 85			
Less transferred to account for Druid Hill-avenue I. sewer	1,000 00			
		13 85		13 85
Repairing streets, bridges, etc., in the Annex		22,432 00	22,422 29	9 71
Repairing bridges, Twenty-first Ward, in the Annex		2,500 00	2,491 25	8 75
Repairing Franklin street, in the Annex, balance		91 70	90 00	1 70
Garrison avenue, to macadamize, in the Annex		1,000 00	996 70	3 30
Ninth street, to repair, in the Annex		3,500 00	3,493 98	6 02
Park Heights avenue, to macadamize, in the Annex, balance		3,000 00	2,993 63	6 37
Sewer in Union avenue, in the Annex		215 72	201 49	14 23
Totals		$2,611,049 00	$1,703,709 48	$907,339 52

TABLE B.

Showing the Amounts Required for the City Commissioner's Department, for the year ending December 31, 1895.

Repairs of sewers and inlets	$10.000 00
Repairs of bridges	6,000 00
Repairs of paved streets	90,000 00
Repairs of unpaved streets	5,000 00
Paving and repaving in front of city property	2,000 00
Paving and repaving cross streets	10,000 00
Salaries	9,900 00
Livery	660 00
Incidentals	200 00
Light-street bridge	10,000 00
Flag and stepping stones	5,000 00
Deficiency repairs of bridges	319 01
Deficiency Block-street Drawbridge	1,786 14
Deficiency paving in front of city property	53 34
Deficiency repairs of paved streets	684 54
Deficiency Light-street bridge	877 68
Deficiency Boardwalk North avenue	117 34
Deficiency public printing	34 75
Deficiency repairing streets, Annex	612 18
Repairs of streets, roads and bridges in the Annex	30,000 00
Salaries and livery in the Annex	2,432 00
	$185,676 98

TABLE C.

Showing the Quantity of Repairs done and Materials Used on the Streets and Alleys during the Year 1894.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Aisquith street	2,133	30	12	.....
Arlington avenue	22,222	180	27	.....
Albemarle street	1,350	13	1	.....
Ashland avenue	28,390	196	17½	.....
Aliceanna street	2,810	43	1	.....
Ann street	2,760	19	.....	139
Bond street	16,755	168	26½	.....
Biddle street	44,348	238	26	.....
Beverly street	5,562	44	18	.....
Bowly's wharf	546	3	1	.....
Bank street	5,240	41	11	.....
Buchanan's wharf	7,020	82	6	.....
Barney street	4,140	30	4	.....
Baker street	4,476	46	11	.....
Bolton street	4,070	27	3	.....
Block street	16,390	71	5½	.....
Blunt street	728	9	2	.....
Brune street	8,204	60	21	.....
Bethel street	4,140	40	3½	.....
Broadway	40,265	372	26½	.....
Bradley avenue	2,825	24	5	.....
Beason street	6,861	40	7	.....
Balderston street	11,452	58	17	.....
Barre street	17,004	159	20	.....
Bruce street	2,680	25	4	.....
Am'ts carried forward.	262,371	2,018	276½	139

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of Sand.	Perches of Stone.	Linear feet kerb reset.
Amt's brought forward.	262,371	2,018	276½	139
Bath street	8,960	117	17	.....
Collington avenue	9,290	84	11	.....
Caroline street	54,127	424	35	.....
Central avenue	9,670	68	5	.....
Chester street	24,160	194	18	.....
Courtland street	2,765	31	½	.....
Clay street	11,281	101	3¾	.....
Concord street	1,280	12	2	.....
Centre street	3,720	28	.....	.....
Cheapside	478	4	2	.....
Cross street	39,547	272	56	.....
Carey street	33,484	653	37½	.....
Canton avenue	21,090	179	12	.....
Calhoun street	10,773	100	15	.....
Charles street	929	17	3	150
Chew street	5,110	40	2½	.....
Camden street	769	7	4	.....
Cypress street	300	1	.....	.....
Commerce street	3,680	33	4	.....
Castle street	7,390	49	2	.....
Clinton street	16,370	146	31	.....
Chapel street	7,140	32	3	.....
Cuba street	6,792	34	8	.....
Cooksie street	1,384	7	2	.....
Carrollton avenue	40,887	263	41	.....
Chase street	785	7	.....	.....
Amt's carried forward.	584,532	4,921	591¾	289

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward.	584,532	4,921	591¾	289
Chesnut street	313	3	.....	.....
Chesapeake street	275	4	.....	15
Diamond street	1,200	7	.....	.....
Dallas street	17,190	264	.....	.....
Druid Hill avenue	17,485	162	99	.....
Durham street	18,035	148	1	.....
Donaldson street	761	8	3	.....
Division street	1,240	8	.....	.....
Dover street	791	7	4	.....
Eutaw street	54,016	530	67½	.....
Eden street	10,270	86	7	.....
Ensor street	24,350	287	7	91
Exeter street	4,440	37	3	.....
Eastern avenue	21,760	183	19½	.....
Edward street	600	6	.....	.....
Ellicott street	6,921	49	8	.....
Eager street	2,310	17	½	.....
East Falls avenue	1,175	11	.....	.....
Franklin street	21,341	218	22	.....
Fremont street	10,148	66	18¾	.....
Frederick-street dock	4,000	36	1	.....
Federal street	85,320	814	129½	36
Front street	14,320	118	3	.....
Fayette street	18,656	264	29	696
Fulton avenue	31,760	311	28½	.....
Fairmount avenue	1,120	12	.....	.....
Am'ts carried forward.	954,329	8,577	1,043	1,127

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward	954,329	8,577	1,043	1,127
Forrest street	6,540	45	.....	.....
Greene street	1,344	16	1	.....
Gilmor street	9,794	81	8	.....
Gough street	25,206	277	22	210
Guilford avenue	2,090	21	2	.....
Gay street	4,550	42	6	.....
Greenmount avenue	1,590	17	1	.....
George street	2,410	19	8	.....
Garrett street	743	8	4	.....
Granby street	1,200	12	1	.....
Henry street	1,300	8	.....	.....
Holliday street	29,145	398	48	.....
Harford avenue	27,825	256	35	32
Hollins street	40,112	216	46½	154
Hamburg street	11,088	63	16	.....
Hull street	30,661	171	35	.....
High street	1,320	13	.....	.....
Hughes street	19,016	100	22	.....
Howard street	7,167	51	13	.....
Hanneman avenue	5,440	65	4	.....
Harlem avenue	11,796	109	17½	.....
Hanover street	734	8	3	.....
Herbert street	1,286	6	2	.....
Hopkins avenue	2,200	9	2	.....
Hill street	14,234	98	20	.....
Holbrook street	4,450	29	.....	.....
Am'ts carried forward	1,216,600	10,715	1,360	1,523

TABLE C—Contiuued.

Streets.	Area in sp. feet.	Loads of Sand.	Perches of Stone.	Linear feet kerb reset.
Amt's brought forward.	1,216,600	10,715	1,360	1,523
Hoffman street	4,300	17	6	.....
Jefferson street	9,150	218	14	.....
Johnson street	4,073	31	5	.....
King street	1,368	15	1	.....
Lombard street	19,843	150	14	.....
Lexington street	2,860	24	9	.....
Lemon street	6,934	46	5	.....
Low street	19,190	180	5½	.....
Long dock	3,840	.....	.....	.....
Light street	2,732	23	2	.....
Little Josephine street	761	9	3	.....
Linden avenue	4,989	31	2	.....
Lafayette avenue	6,532	54	8	.....
Little Greene street	778	7	3	.....
Lanvale street	2,000	14	.....	.....
Laurens street	5,890	23	12	.....
Liberty street	689	4	1	.....
Mill street	9,318	64	.....	.....
Mosher street	5,451	50	1	.....
May street	8,145	80	3	.....
Monument street	3,920	51	.....	450
Madison street	7,761	56	68	.....
McDonough street	5,500	55	7	.....
McElderry street	11,905	134	12	.....
McHenry street	51,086	438	46	.....
Monroe street	9,152	88	13	.....
Amt's carried forward.	1,424,767	12,587	1,630½	1,973

TABLE A—Continued.

Streets.	Area in sq. feet.	Load of sand.	Perches of stone.	Linear feet kerb reset.
Amt. brought forward..	1,424,767	12,587	1,630½	1,973
Montgomery street.....	6,031	39	8	.....
Mount street	741	9	3	.....
May street.....	1,315	10	.....	.....
Maryland avenue.....	779	7	2	.....
Mulberry street.....	1,546	16	7	.....
Mott street.....	200	2	1	.....
Mercer street.....	7,750	40	17	.....
Myrtle avenue.....	784	7	4	.....
Mullikin street.....	2,450	27	4	.....
North avenue.....	24,245	409	86	.....
Nanticoke street.....	1,338	14	1	.....
North street.....	8,355	163	25	.....
Oliver street.....	19,880	224	5	.....
Orleans street.....	5,855	56	.....	.....
Ostend street.....	762	14	3	.....
Paca street.....	9,492	97	17	.....
Preston street.....	2,574	20	1½	.....
Patterson avenue.....	6,250	43	4	.....
Pratt street.....	12,141	123	6	25
President street.....	5,930	61	8	.....
Peabody street.....	678	6	.....	.....
Patterson's Wharf.....	1,260	11	.....	.....
Pine street.....	678	7	3	.....
Patterson Park avenue..	1,325	.....	.....	.....
Presstman street.....	1,510	16	6	.....
Park avenue.....	714	6	2	.....
Am'ts carried forward	1,549,350	14,014	1,844½	1,998

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward.	1,549,350	14,014	1,844½	1,998
Pulaski street	1,312	11	2	
Plowman street	500	11		65
Parrish street	2,810	25	4	
Patapsco street	1,290	13	2	
Portland street	671	7		
Rogers avenue	2,470	22	5	
Ridgely street	22,317	245	22	
Ramsay street	18.340	144	93½	
Riggs avenue	320			
Regester street	3,570	42	3	46
Rhinehart street	420	3		
Roberts street	4,190	33	10	
Raborg street	8,016	63	5½	
Russell street	1,272	11	1	
Rutter street	771	8	3	
Richmond street	33,910	226	57¼	
St. Paul street	2,370	24	2	
St. Peter's street	2,674	17	2	
Stricker street	7,859	81	10	
Saratoga street	32,900	259	33¾	20
Sharp street	26,939	239	48	
Stockholm street	750			40
Spear's wharf	3,990	38		
Smith's wharf	1,460	14		
Sterrett street	1,517	15	8	
Short street	1,340	11		
Am'ts carried forward.	1,733,328	15,596	2,156	2,169

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward.	1,733,328	15,596	2,156½	2,169
South street.	254	2	.....	.....
St. Mary's street.	908	7	3	.....
Spring street.	7,225	70	1	.....
Schroeder street.	2,046	16	1½	.....
Tyson street.	2,940	24	16	.....
Thames street.	7,850	78	11½	85
Twentieth street.	14,430	50	69	.....
Townsend street.	300	2	.....	.....
Ulrich street.	520	5	.....	.....
Valley street.	6,490	51	3½	.....
West street.	21,394	193	18	100
Wolfe street.	17,045	142	17½	100
Wehage street.	1,250	11	.....	.....
Water street.	5,811	24	6	.....
William street.	20,912	130	22	100
Wood street.	1,260	13	.....	.....
Whatcoat street.	300	3	.....	.....
Warner street.	6,981	½	9½	.....
Wilcox street.	1,340	13	1	.....
Watson street.	26,515	243	31	100
Wilson street.	67,995	718	75	225
Washington street.	6,190	14	2	.....
Woodyear street.	13,709	125	23	.....
Windsor street.	2,470	24	1	.....
Wilkins avenue.	2,544	9	2	.....
York street.	9,761	65	16	.....
Am'ts carried forward.	1,981,788	17,825	2,486	2,879

TABLE C—Continued.

Showing the Quantity of Repairs done and Material used on Lanes and Alleys during the year 1894.

Lanes and Alleys.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Alley between Gough and Pratt streets	1,557	14	3	
Bounty lane	1,050	11	1	
Courthouse lane	691	1	9	
Cider alley	12,776	153	8½	
Duncan lane	15,010	125	4	
Damson alley	420	4		
Dark lane	714	7	4	
Elbow lane	5,340	48	10	
Ehrman's court	1,200	11	1	
Euford alley	2,048	16	1	
Franklin lane	1,409	11	4	
Foster alley	743	7	3	
Guilford alley	753	9	5	
Hunter alley	1,360	12	6	
Hargrove alley	2,080	21	6	
Jordan alley	1,441	16	4	
Jenkins alley	797	7	4	
Lovegrove alley	6,255	68	14	
Mason alley	764	9	4	
Madeira alley	9,800	73	7	
McCulloh alley	1,063	10	1	
Morton alley	19,700	187	7	
Parish alley	5,375	51	12	
Plum alley	761	9	4	
Plover alley	442	6	3	
Amt's carried forward.	93,549	886	125½	

TABLE C—Continued.

Lanes and Alleys.	Area in sq. feet.	Loads of Sands.	Perches of Stone.	Linear feet kerb reset.
Amt's brought forward.	93,549	886	125½	.... .
Rutter alley.....	723	8	3	.....
Rickles court...	714	9	3	.....
Scrabble alley.....	689	6	4	.....
Stoddard alley.	729	8	1	.....
Sharp-street alley.....	1,917	16	6	.....
Tyson alley	5,174	36	6½	.....
Vincent alley.....	14,871	86	6½	.....
West alley	6,550	31	.....	.....
Wine alley.....	317	2	1	.....
Wagon alley...	7,529	55	10	.....
	122,762	1,143	166½	.....

TABLE C—Continued.

Grand Total Quantities of Repairs of Streets and Alleys.

	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Streets	1,981,788	17,825	2,486	2,879
Alleys.....	122,762	1,143	166½	.....
	2,104,550	18,968	2,652½	2,879

TABLE C—Concluded.

Showing Quantity of Work done by Superintendents of Streeet Repairs.

Superintendents.	Square ft. paved.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
M. Meyers	178,710	1,827	133½	.....
N. A. Gill	170,216	1,619	348½	.. ...
Thomas W. Selvage	165,240	1,731	328	.....
John H. Shinnick	149,090	1,409	155½	68
George W. Kerner	159,320	1,738	177	.....
John Fitzpatrick	187,927	1,296	229	.....
Joseph Schoenig	162,755	1,428	129	285
M. F. Murphy	167,183	1,209	265	125
John L. Brown	167,176	1,247	180	819
George A. Glantz	157,250	1,424	60½	1,300
A. McLaughlin	161,429	1,305	113½	70
R. W. Keily	179,867	1,809	251	.....
John S. Lee	90,490	856	269	.....
Benjamin Eggleston	7,897	70	13	25
	2,104,550	18,968	2,652½	2,879

REPAIRS.

BELGIAN BLOCK REPAVING.

Lexington street	788	square feet.
Liberty street	767	"
Hanover street	14,446	"
Charles street	16,650	"
Read street	1,209	"
Saratoga street	5,003	"
Calvert street	13,776	"
Cathedral street	19,795	"
Light street	1,680	"
Pratt street	283	"
West Falls avenue	3,900	"
Gay street	2,587	"
Baltimore street	1,813	"
	82,697	

Amount expended	$4,221 66
Average cost per square foot	5 10

TABLE D.

Showing the revenue collected in the City Commissioner's Department for the year ending December 31, 1894.

Repairs of sewers	$3,780 55
" paved streets	252 98
" bridges	9 32
Baltimore-street bridge	1,000 00
Ramsay-street bridge	183 40
Maryland-avenue bridge	624 65
North-avenue bridge	16 55
Columbia-avenue bridge	1 00
Block-street draw-bridge	14 63
Druid Hill-avenue I. sewer	23 70
Bush-street sewer	104 70
Eutaw and Fremont-streets sewer	154 69
Federal-street sewer	3 60
Bruce-alley sewer	5 00
Repairing Columbia avenue, 5 M. L.	791 08
" Hanover street, 5 M. L	45 00
" Concord street, 6 M. L	63 85
" Chase street, 6 M. L	182 80
" Frederick avenue, 6 M. L	229 75
" Light street, 6 M. L	449 83
" Fayette street, 6 M. L	14 25
" Park avenue, 6 M. L	43 60
" Boston street, 6 M. L	758 05
" Fort avenue, 6 M. L	33 07
" Holliday and other streets, 6 M. L.	171 26
" Madison street, 6 M. L	605 85
" St. Paul street, 6 M. L	240 15
" Gay street, 6 M. L	132 10
" Pratt street, 6 M. L	64 83
Prospect Square, removing railing, etc.	16 00
Public printing	78 00
	$10,094 24

ANNUAL REPORT

—— OF THE ——

DEPARTMENT OF STREET CLEANING

—— OF THE ——

CITY OF BALTIMORE

—— TO THE ——

MAYOR AND CITY COUNCIL OF BALTIMORE,

—— FOR THE ——

FISCAL YEAR ENDING DECEMBER 31, 1894.

OFFICERS AND EMPLOYEES

OF THE

DEPARTMENT OF STREET CLEANING

FOR THE YEAR 1894.

B. E. SMITH,

Commissioner of Street Cleaning.

JOHN J. WALSH,

Clerk.

SUPERINTENDENTS OF STREETS:

GEORGE W. TRUMBO, *1st District.*
G. E. MCCAULEY, *2d District.*
MICHAEL FADGEN, *3d District.*
JAMES F. BUSEY, *4th District.*
H. LANCASTER, *5th District.*
JOHN MEAGHER, *6th District.*
JOSEPH MCGEE, *7th District.*

SUPERINTENDENTS OF DUMPS:

JOHN HUGHES, *Canton.*
F. P. QUINN, *Back Baisn.*
LOUIS S. FEFEL, *Spring Garden.*
THOMAS J. CROPPER, *Eager Street.*
MATTHEW J. RUDOLPH, *South Baltimore.*

REPORT.

DEPARTMENT OF STREET CLEANING—CITY HALL,

BALTIMORE, January 2, 1895.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

In compliance with the provisions of Ordinance No. 6, approved February 21, 1882, I have the honor to submit herewith the report of the Department of Street Cleaning.

The annexed tables show the number of men and carts employed, the work performed by the department during the year, the money expended, and the amount received for refuse, etc.

The total appropriation for the year was three hundred and fifty-four thousand nine hundred and seventy-three dollars; and the amount expended, three hundred and twenty-four thousand one hundred and

seventy-one dollars and thirteen cents, leaving a balance of thirty thousand eight hundred and one dollars and eighty-seven cents.

During the past year a patrol system has been introduced on several streets having the improved smooth paving, and has given such satisfaction that I propose this year, with your approbation, to extend it further.

This system, together with the sweeping machines, will enable the department to keep the streets in good condition.

For the collection of garbage, made with regularity, and attended with comparatively little complaint, an increase in the number of employees was necessary, owing to the additional number of houses erected, and this year the same cause will demand a further increase.

The department now employs one hundred and fifty-seven sweepers and scrapers, sixty-nine street carts, eight sweeping machines, five sprinklers, and one hundred and fifty-eight garbage carts.

The sweeping machines and sprinklers are supplied with drivers, horses and harness, by Charles P. March, under contract, at the rate of three dollars per day for the machines, and two dollars for the sprinklers.

The cost this year for this work, including the purchase of two machines, repairs, etc., was twelve thousand and sixty-two dollars and sixty-two cents.

I again respectfully invite your attention to the fact that the Commissioner is held responsible for the working of the department when he has not the power of employing the men to perform this service, and would recommend that this power be conferred, as only thus can discipline be enforced and efficiency secured.

On the 1st of July, 1894, a contract was made with S. D. Bradford & Co. for the removal of garbage from the city for the sum of nine thousand four hundred dollars per annum for three years; no provision has been made for the payment of the amount for this service for the six months ending December 31, 1894.

In June proposals for the purchase of street dirt were advertised, and a contract made with George Gegner for the purchase of the street dirt for this year, for the First and Third Districts, for four hundred and fifty dollars. No contract was made for the other districts. From the sale of ashes and street dirt during the year the department has received and turned over to the Comptroller six hundred and seventy-nine dollars and seventeen cents ($679.17).

In conclusion, I return thanks to the Superintendents

for their earnest co-operation in the working of the department.

Tne following is an estimate of expenses for the year 1895:

148 garbage carts and men at $18 per week.	$138,528 00
72 street carts and men at $18 per week...	67,392 00
159 sweepers and scrapers at $10 per week.	82,680 00
Salaries	9,000 00
Dumps	5,100 00
Tools, including sweeping machines, sprinklers, hire of horses, stable rent, repairs to machines, etc	13,000 00
Contract for removal of garbage from the city	9,400 00
	$325,100 00

CITY ANNEX.

16 garbage carts and drivers at $18 per week	$14,976 00
6 street carts and drivers at $18 per week..	5,616 00
12 sweepers and scrapers at $10 per week.	6,240 00
Salary of Superintendent	1,000 00
Tools	125 00
	$27,957 00

Respectfully submitted,

B. E. SMITH,

Commissioner of Street Cleaning.

TABLES.

TABLE A.

Weekly Reports, showing amount of work done in the Street Cleaning Department, the number of men and carts employed in the several Districts, and the amount of money expended for the same, from January 1 to December 31, 1894.

FIRST DISTRICT. — GEORGE W. TRUMBO, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending January 8	665	360	$342 00	$384 00	19	8	24	1025	$726 00
" " 15	665	360	342 00	384 00	19	12	24	1025	726 00
" " 22	684	406	336 00	411 00	19	5	24	1090	747 00
" " 29	684	384	342 00	384 00	19	8	24	1068	726 00
	2698	1510	$1362 00	$1563 00	.....	.....	.....	4208	$2925 00
Week ending February 5	684	280	$342 00	$373 50	19	8	24	964	$715 50
" " 12	779	230	342 00	278 30	19	8	24	1009	620 30
" " 19	779	248	342 00	348 00	19	8	24	1027	690 00
" " 26	779	375	342 00	379 50	19	8	24	1154	721 50
	3021	1133	$1368 00	$1379 30	.....	.....	.....	4154	$2747 30

Week ending March 5	779	368	$342 00	$378 20	19	8	24	1147	$720 20
" " 12	779	369	333 00	393 00	19	8	24	1148	726 00
" " 19	779	384	342 00	384 00	19	8	24	1163	726 00
" " 26	779	384	342 00	384 00	19	8	24	1163	726 00
	3116	1505	$1359 00	$1539 20	.....	.....	.....	4621	$2898 20
Week ending April 2	779	385	$342 00	$384 00	19	8	24	1164	$726 00
" " 9	684	362	342 00	384 00	19	8	24	1046	726 00
" " 16	779	320	342 00	358 08	19	8	24	1099	700 08
" " 23	684	360	342 00	384 00	19	8	24	1044	726 00
" " 30	779	405	342 00	402 00	19	9	24	1184	744 00
	3705	1832	$1710 00	$1912 08	.....	.....	.....	5537	$3622 08
Week ending May 7	684	426	$342 00	$402 00	19	9	24	1110	$744 00
" " 14	706	420	342 00	402 00	19	9	24	1126	744 00
" " 21	557	405	342 00	402 00	19	9	24	962	744 00
" " 28	582	423	342 00	402 00	19	9	24	1005	744 00
	2529	1674	$1368 00	$1608 00	.....	.....	.....	4203	$2976 00
Week ending June 4	616	405	$342 00	$408 66	19	9	25	1021	$750 66
" " 11	609	405	342 00	410 33	19	9	25	1014	752 33
" " 18	621	414	342 00	412 00	19	9	25	1035	754 00
" " 25	634	426	342 00	405 33	19	9	25	1060	747 33
	2480	1650	$1368 00	$1636 32	.....	.....	.....	4130	$3004 32

TABLE A—Continued.

FIRST DISTRICT. GEORGE W. TRUMBO, Supt.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total number of Loads Removed.	Total Amount of Expenditures.
Week ending July 2	575	426	$342 00	$410 33	19	9	25	1001	$752 33
" " 9	618	432	342 00	412 00	19	9	25	1050	754 00
" " 16	738	405	342 00	412 00	19	9	25	1133	754 00
" " 23	625	406	342 00	412 00	19	9	25	1031	754 00
" " 30	618	408	342 00	422 00	19	9	26	1026	764 00
	3164	2077	$1710 00	$2068 33	.....	.....	.....	5241	$3778 33
Week ending August 6	628	419	$342 00	$422 00	19	9	26	1047	$ 764 00
" " 13	630	365	342 00	416 98	19	9	26	995	758 98
" " 20	648	417	342 00	422 00	19	9	26	1065	764 00
" " 27	638	423	342 00	420 33	19	9	26	1061	762 33
	2544	1624	$1368 00	$1681 31	.....	.....	.....	4168	$3049 31

Week ending September 3	628	477	$342 00	$417 00	19	9	26	1105	$759 00
" " 10	634	424	342 00	419 00	19	9	26	1058	761 00
" " 17	641	434	342 00	422 00	19	9	26	1075	764 00
" " 24	630	450	342 00	422 00	19	9	26	1080	764 00
	2533	1785	$1368 00	$1680 00	.....	.....	.....	4318	$3048 00
Week ending October 1	635	432	$342 00	$422 00	19	9	26	1067	$764 00
" " 8	589	450	342 00	422 00	19	9	26	1039	764 00
" " 15	589	450	342 00	436 70	19	9	26	1039	778 70
" " 22	589	431	342 00	422 00	19	9	26	1020	764 00
" " 29	646	432	342 00	417 00	19	9	26	1078	759 00
	3048	2195	$1710 00	$2119 70	.....	.....	.....	5243	$3829 70
Week ending November 5	627	423	$342 00	$422 00	19	9	26	1050	$764 00
" " 12	646	360	342 00	372 65	19	9	26	1006	714 65
" " 19	646	432	342 00	422 00	19	9	26	1078	764 00
" " 26	646	432	342 00	422 00	19	9	26	1078	764 00
	2565	1647	$1368 00	$1638 65	.....	.....	.....	4212	$3006 65
Week ending December 3	646	424	$342 00	$418 83	19	9	26	1070	$760 83
" " 10	646	432	342 00	422 00	19	9	26	1078	764 00
" " 17	646	405	342 00	395 00	19	9	26	1051	737 00
" " 24	646	432	342 00	418 66	19	9	26	1078	760 66
" " 31	646	360	342 00	449 88	19	9	26	1006	791 88
	3230	2053	$1710 00	$2104 37	.....	.....	.....	5283	$3814 37

TABLE A—Continued.

SECOND DISTRICT. GEORGE E. McCAULEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending January 9	901	792	$468 00	$399 98	26	10	23	1693	$867 98
" " 16	957	795	468 00	399 16	26	10	23	1752	867 16
" " 23	950	810	450 00	395 82	26	10	23	1760	845 82
" " 30	843	715	468 00	381 98	26	9	23	1558	849 98
	3651	3112	$1854 00	$1576 94	.....	.....	.....	6763	$3430 94
Week ending February 6	889	822	$486 00	$380 99	26	10	23	1711	$848 99
" " 13	903	786	486 00	396 97	26	10	23	1689	864 97
" " 20	887	573	486 00	366 83	26	10	23	1460	834 83
" " 27	898	586	465 00	394 02	26	10	23	1484	859 02
	3577	2767	$1869 00	$1538 81	.....	.....	.....	6344	$3407 81

Week ending March 6	936	594	$468 00	$386 49	26	10	23	1530	$854 49
" " 13	917	595	468 00	399 99	26	10	23	1512	867 99
" " 20	920	628	468 00	396 98	26	10	23	1548	864 98
" " 27	905	595	468 00	400 00	26	10	23	1500	868 00
	3678	2412	$1872 00	$1583 46	.....	.....	.....	6090	$3455 46
Week ending April 3	903	578	$468 00	$400 00	26	10	22	1481	$868 00
" " 10	869	708	468 00	417 16	26	11	22	1577	885 16
" " 17	902	713	468 00	361 09	26	11	23	1615	829 09
" " 24	907	666	468 00	418 00	26	11	22	1573	886 00
	3581	2665	$1872 00	$1596 25	.....	.....	.....	6246	$3468 25
Week ending May 1	931	912	$486 00	$418 00	27	11	23	1843	$904 00
" " 8	907	907	486 00	417 50	27	11	23	1814	903 50
" " 15	928	921	486 00	418 00	27	11	23	1849	904 00
" " 22	934	873	486 00	416 50	27	11	23	1807	902 50
" " 29	888	874	486 00	418 00	27	11	23	1762	904 00
	4588	4497	$2430 00	$2083 00	.....	.....	.....	9075	$4518 00
Week ending June 5	875	833	$486 00	$418 00	27	11	23	1708	$904 00
" " 12	932	835	486 00	418 00	27	11	23	1767	904 00
" " 19	1037	833	486 00	413 31	27	11	23	1870	899 31
" " 26	925	900	486 00	418 00	27	11	23	1825	904 00
	3769	3401	$1944 00	$1667 31	.....	.....	.....	7170	$3611 31

TABLE A—Continued.

SECOND DISTRICT. GEORGE E. McCAULEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removel of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending July 3	938	898	$480 00	$418 00	27	11	22	1836	$898 00
" " 10	789	896	486 00	416 32	27	11	22	1685	902 32
" " 17	753	844	486 00	415 48	27	11	22	1597	901 48
" " 24	863	871	486 00	415 49	27	11	22	1734	901 49
" " 31	958	846	486 00	418 00	27	11	22	1804	904 00
	4301	4355	$2424 00	$2083 29	.....	.....	.....	8656	$4507 29
Week ending August 7	927	844	$486 00	$415 49	27	11	22	1771	$901 49
" " 14	865	867	486 00	422 32	27	11	23	1732	908 32
" " 21	966	883	486 00	424 66	27	11	23	1849	910 66
" " 28	918	884	486 00	408 82	27	11	23	1802	894 82
	3676	3478	$1944 00	$1671 29	.....	.....	.....	7154	$3615 29

Week ending September 4	1024	867	$486 00	$419 65	27	11	23	1891	$905 65
" " 11	946	884	486 00	420 49	27	11	23	1830	906 49
" " 18	898	870	486 00	421 31	27	11	23	1768	907 31
" " 25	862	869	483 00	421 30	27	11	23	1731	904 30
	3730	3490	1941 00	1682 75	.....	.....	.....	7220	3623 75
Week ending October 2	853	928	486 00	428 00	27	11	23	1781	914 00
" " 9	759	921	486 00	420 48	27	11	24	1680	906 48
" " 16	693	871	486 00	426 48	27	11	24	1564	912 48
" " 23	677	884	486 00	427 15	27	11	24	1561	913 15
" " 30	691	912	486 00	428 00	27	11	24	1603	914 00
	3673	4516	2430 00	2130 11	.....	.....	.....	8189	4560 11
Week ending November 6	804	917	486 00	424 65	27	11	23	1721	910 65
" " 13	831	862	486 00	423 50	27	11	23	1693	909 50
" " 20	888	867	477 00	427 15	27	11	23	1755	904 15
" " 27	939	872	486 00	423 97	27	11	23	1811	909 97
	3462	3518	1935 00	1699 27	.....	.....	.....	6980	3634 27
Week ending December 4	976	974	486 00	428 00	27	11	23	1950	914 00
" " 11	869	867	486 00	428 00	27	11	23	1736	914 00
" " 18	940	835	486 00	420 98	27	11	23	1775	906 98
" " 25	829	867	486 00	428 00	27	11	23	1696	914 00
" " 31	978	862	480 00	411 50	27	11	23	1840	891 50
	4592	4405	$2424 00	$2116 48	.....	.....	.....	8997	4540 48

TABLE A—Continued.

THIRD DISTRICT. — MICHAEL FADGEN, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Sweepers and Scrapers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending January 3	378	372	$252 00	$420 16	14	12	21	750	$672 16
" " 10	392	372	252 00	421 83	14	12	21	764	673 83
" " 17	406	357	252 00	413 66	14	12	21	764	665 66
" " 24	406	348	252 00	421 83	14	12	21	754	673 83
" " 31	378	300	252 00	405 16	14	12	21	678	657 16
	1960	1749	$1260 00	$2082 64	.....	.....	.....	3709	$3342 64
Week ending February 7	392	348	$252 00	$412 33	14	12	21	740	$664 33
" " 14	406	348	252 00	407 16	14	12	21	754	659 16
" " 21	392	680	252 00	422 00	14	12	21	1072	674 00
" " 28	382	336	252 00	413 33	14	12	21	718	665 33
	1572	1712	$1008 00	$1654 82	.....	.....	.....	3284	$2662 82

Week ending March 7	378	372	$252 00	$431 20	14	12	21	750	$683 20
" " 14	406	408	252 00	425 16	14	12	21	814	677 16
" " 21	392	396	252 00	435 66	14	13	21	788	687 66
" " 28	406	377	252 00	439 83	14	13	21	783	691 83
	1582	1553	$1008 00	$1731 85				3135	$2739 85
Week ending April 4	406	403	$252 00	$439 83	14	13	21	809	$691 83
" " 11	382	442	252 00	439 83	14	13	21	824	691 83
" " 18	392	389	252 00	414 16	14	13	21	781	666 16
" " 25	406	380	252 00	437 33	14	13	21	786	689 33
	1586	1614	$1008 00	$1731 15				3200	$2739 15
Week ending May 2	392	377	$252 00	$444 00	14	13	21	769	$696 00
" " 9	378	377	252 00	444 00	14	13	21	755	696 00
" " 16	380	390	252 00	444 00	14	13	21	770	696 00
" " 23	385	390	252 00	436 50	14	13	21	775	688 50
" " 30	408	403	252 00	444 00	14	13	21	811	696 00
	1943	1937	$1260 00	$2212 50				3880	$3472 50
Week ending June 6	401	338	$252 00	$441 50	14	13	21	739	$693 50
" " 13	399	363	252 00	436 00	14	13	21	762	688 00
" " 20	387	377	252 00	442 33	14	13	21	764	694 33
" " 27	392	390	252 00	444 00	14	13	21	782	696 00
	1579	1468	$1008 00	$1763 83				3047	$2771 83

TABLE A—Continued.

THIRD DISTRICT. MICHAEL FADGEN, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending July 4	392	338	$252 00	$444 00	14	13	21	730	$696 00
" " 11	384	325	252 00	444 00	14	13	21	709	696 00
" " 18	392	333	252 00	441 66	14	13	21	725	693 66
" " 25	406	334	252 00	433 66	14	13	21	740	685 66
	1574	1330	$1008 00	$1763 32	.....	.....	.....	2904	$2771 32
Week ending August 1	406	351	$252 00	$437 33	14	13	21	757	$689 33
" " 8	388	377	252 00	443 16	14	13	21	765	695 16
" " 15	406	377	252 00	441 50	14	13	21	783	693 50
" " 22	392	286	252 00	439 00	14	13	21	678	691 00
" " 29	406	351	252 00	443 16	14	13	21	757	695 16
	1998	1742	$1260 00	$2204 15	.....	.....	.....	3740	$3464 15

Week ending September 5	411	390	$252 00	$451 66	14	13	22	801	$703 66
" " 12	396	416	252 00	448 16	14	13	22	812	700 16
" " 19	420	325	252 00	451 50	14	13	22	745	703 50
" " 26	392	325	252 00	453 16	14	13	22	717	705 16
	1619	1456	$1008 00	$1804 48				3075	$2812 48
Week ending October 3	394	403	$252 00	$454 00	14	13	22	797	$706 00
" " 10	513	390	252 00	462 33	14	13	23	903	714 33
" " 17	392	374	252 00	462 33	14	13	23	766	714 33
" " 24	406	364	252 00	464 00	14	13	23	770	716 00
" " 31	397	390	252 00	459 00	14	13	23	787	711 00
	2102	1921	$1260 00	$2301 66				4023	$3561 66
Week ending November 7	392	278	$252 00	$417 66	14	13	23	670	$669 66
" " 14	387	325	252 00	439 83	14	13	23	712	691 83
" " 21	385	351	252 00	446 00	14	13	23	736	698 00
" " 28	378	370	252 00	433 16	14	13	23	748	685 16
	1542	1324	$1008 00	$1736 65				2866	$2744 65
Week ending December 5	385	348	$252 00	$408 83	14	13	22	733	$660 83
" " 12	364	306	249 00	415 33	14	12	22	670	664 33
" " 19	378	277	252 00	390 00	14	12	22	655	642 00
" " 26	368	310	252 00	407 00	14	13	22	678	659 00
" " 31	378	386	252 00	443 83	14	13	23	764	695 83
	1873	1627	$1257 00	$2064 99				3500	$3321 99

TABLE A—Continued.

FOURTH DISTRICT. JAMES F. BUSEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending January 4	857	328	$486 00	$396 66	27	10	25	1185	$882 66
" " 11	958	441	486 00	427 50	27	10	25	1399	913 50
" " 18	885	294	486 00	378 00	27	10	25	1179	864 00
" " 25	911	570	486 00	430 00	27	10	25	1481	916 00
	3611	1633	$1944 00	$1632 16	.....	.....	.....	5244	$3576 16
Week ending February 1	994	520	$486 00	$401 50	27	10	25	1514	$887 50
" " 8	991	262	486 00	360 66	27	10	25	1253	846 66
" " 15	1008	223	486 00	371 50	27	10	25	1231	857 50
" " 22	994	390	486 00	417 16	27	10	25	1384	903 16
	3987	1395	$1944 00	$1550 82	.....	.....	.....	5382	$3494 82

Week ending March 1	936	412	$486 00	$409 16	27	10	25	1348	$895 16
" " 8	813	430	486 00	430 00	27	10	25	1243	916 00
" " 15	935	520	486 00	430 00	27	10	25	1455	916 00
" " 22	770	450	486 00	430 00	27	10	25	1220	916 00
" " 29	1101	382	486 00	406 66	27	10	25	1483	892 66
	4555	2194	$2430 00	$2105 82	.....	.....	.....	6749	$4535 82
Week ending April 5	705	488	$486 00	$427 50	27	10	25	1193	$913 50
" " 12	1055	392	486 00	404 66	27	10	25	1447	890 66
" " 19	922	464	486 00	415 50	27	10	25	1386	901 50
" " 26	910	555	486 00	430 00	27	10	25	1465	916 00
	3592	1899	$1944 00	$1677 66	.....	.....	.....	5491	$3621 66
Week ending May 3	816	470	$486 00	$430 00	27	10	25	1286	$916 00
" " 10	770	420	486 00	428 33	27	10	25	1190	914 33
" " 17	792	520	483 00	430 00	27	10	25	1312	913 00
" " 24	934	368	474 00	392 66	27	10	25	1302	866 66
" " 31	815	400	486 00	426 66	27	10	25	1215	912 66
	4127	2178	$2415 00	$2107 65	.....	.....	.....	6305	$4511 65
Week ending June 7	791	365	$510 00	$412 50	28	10	25	1156	$922 50
" " 14	463	330	504 00	428 33	28	10	25	793	932 33
" " 21	500	320	504 00	429 16	28	10	25	820	933 16
" " 28	586	400	504 00	430 00	28	10	25	986	934 00
	2340	1415	$2022 00	$1699 99	.....	.....	.....	3755	$3721 99

TABLE A—Continued.

FOURTH DISTRICT. JAMES F. BUSEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending July 5	636	320	$504 00	$428 33	28	10	25	956	$932 33
" " 12	620	380	504 00	428 33	28	10	25	1000	932 33
" " 19	773	300	504 00	430 00	28	10	25	1073	934 00
" " 26	687	320	504 00	426 66	28	10	25	1007	930 66
	2716	1320	$2016 00	$1713 32	.....	.....	.....	4036	$3729 32
Week ending August 2	707	320	$504 00	$430 00	28	10	25	1027	$934 00
" " 9	766	340	504 00	430 00	28	10	25	1106	934 00
" " 16	766	282	504 00	430 00	28	10	25	1048	934 00
" " 23	815	328	504 00	430 00	28	10	25	1143	934 00
" " 30	799	310	504 00	430 00	28	10	25	1109	934 00
	3853	1580	$2520 00	$2150 00	.....	.....	.....	5433	$4670 00

Week ending September 6	803	340	$504 00	$430 00	28	10	25	1143	$934 00
" " 13	774	380	504 00	430 00	28	10	25	1154	934 00
" " 20	783	400	504 00	427 50	28	10	25	1183	931 50
" " 27	757	380	504 00	425 83	28	10	25	1137	929 83
	3117	1500	$2016 00	$1713 33				4617	$3729 33
Week ending October 4	714	370	$504 00	$430 00	28	10	25	1084	$934 00
" " 11	631	340	504 00	427 50	28	10	25	971	931 50
" " 18	585	280	504 00	410 66	28	10	25	865	914 66
" " 25	549	380	504 00	430 00	28	10	25	929	934 00
	2479	1370	$2016 00	$1698 16				3849	$3714 16
Week ending November 1	464	268	$504 00	$419 65	28	10	25	732	$923 65
" " 8	456	261	504 00	360 32	28	10	25	717	864 32
" " 15	495	279	504 00	401 99	28	10	25	774	905 99
" " 22	542	370	504 00	430 00	28	10	25	912	934 00
" " 29	639	351	504 00	413 83	28	10	25	990	917 83
	2596	1529	$2520 00	$2025 79				4125	$4545 79
Week ending December 6	981	246	$504 00	$363 15	28	10	25	1227	$867 15
" " 13	723	353	504 00	395 33	28	10	25	1076	899 33
" " 20	783	365	504 00	402 66	28	10	25	1148	906 66
" " 27	789	360	504 00	428 33	28	10	25	1149	932 33
" " 31	803	328	504 00	417 50	28	10	25	1131	921 50
	4079	1652	$2520 00	$2006 97				5731	$4526 97

TABLE A—Continued.

FIFTH DISTRICT. HENRY LANCASTER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending January 5	1042	432	$486 00	$348 66	27	9	21	1474	$834 66
" " 12	1057	432	486 00	372 00	27	9	21	1489	858 00
" " 19	1026	432	480 00	372 00	27	9	21	1458	852 00
" " 26	1022	432	486 00	372 00	27	9	21	1454	858 00
	4147	1728	$1938 00	$1464 66	.....	.....	.....	5875	$3402 66
Week ending February 2	1059	384	$486 00	$327 33	27	9	21	1443	$813 33
" " 9	1040	396	486 00	350 16	27	9	21	1436	836 16
" " 16	1065	352	486 00	322 00	27	9	21	1417	808 00
" " 23	1062	432	486 00	372 00	27	9	21	1494	858 00
	4226	1564	$1944 00	$1371 49	.....	.....	.....	5790	$3315 49

Week ending March 2	1071	522	$486 00	$362 00	27	9	21	1593	$848 00
" " 9	1064	432	486 00	364 50	27	9	21	1496	850 50
" " 16	1068	432	486 00	370 33	27	9	21	1500	856 33
" " 23	1060	432	486 00	372 00	27	9	21	1492	858 00
" " 30	1064	432	486 00	380 33	27	9	22	1496	866 33
	5327	2250	$2430 00	$1849 16	.....	.....	.....	7577	$4279 16
Week ending April 6	1058	432	$486 00	$382 00	27	9	22	1490	$868 00
" " 13	1061	432	486 00	387 20	27	9	22	1493	873 20
" " 20	1061	432	486 00	382 00	27	9	22	1493	868 00
" " 27	1068	432	486 00	382 00	27	9	22	1500	868 00
	4248	1728	$1944 00	$1533 20	.....	.....	.....	5976	$3477 20
Week ending May 4	1048	432	$486 00	$385 90	27	9	22	1480	$871 90
" " 11	1057	472	486 00	397 00	27	10	22	1529	883 00
" " 18	1035	528	486 00	408 00	27	11	21	1563	894 00
" " 25	1045	528	486 00	408 00	27	11	22	1573	894 00
	4185	1960	$1944 00	$1598 90	.....	.....	.....	6145	$3542 90
Week ending June 1	1050	528	$486 00	$408 83	27	11	22	1578	$894 83
" " 8	1043	528	486 00	408 00	27	11	22	1571	894 00
" " 15	1040	528	486 00	405 50	27	11	22	1568	891 50
" " 22	865	528	486 00	413 00	27	11	22	1393	899 00
" " 29	842	528	486 00	418 00	27	11	22	1370	904 00
	4840	2640	$2430 00	$2053 33	.....	.....	.....	7480	$4483 33

TABLE A—Continued.

FIFTH DISTRICT. HENRY LANCASTER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending July 6	695	528	$486 00	$418 00	27	11	22	1223	$904 00
" " 13	662	528	486 00	418 00	27	11	22	1190	904 00
" " 20	664	528	486 00	418 00	27	11	22	1192	904 00
" " 27	672	528	486 00	416 33	27	11	22	1200	902 33
	2693	2112	$1944 00	$1670 33	.....	.....	.....	4805	$3614 33
Week ending August 3	658	528	$486 00	$423 00	27	11	23	1186	$909 00
" " 10	666	528	486 00	430 00	27	11	24	1194	916 00
" " 17	657	533	486 00	438 50	27	11	24	1190	924 50
" " 24	679	528	486 00	438 00	27	11	24	1207	924 00
" " 31	667	528	486 00	448 00	27	11	25	1195	934 00
	3327	2645	$2430 00	$2177 50	.....	.....	.....	5972	$4607 50

Week ending September 7	667	528	$486 00	$439 66	27	11	25	1195	$925 66
" " 14	680	528	486 00	442 16	27	11	25	1208	928 16
" " 21	679	528	486 00	448 00	27	11	25	1207	934 00
" " 28	663	528	486 00	447 16	27	11	25	1191	933 16
	2689	2112	$1944 00	$1776 98	.....	.....	.....	4801	$3720 98
Week ending October 5	646	528	$486 00	$433 00	27	11	25	1174	$919 00
" " 12	648	528	486 00	448 00	27	11	25	1176	934 00
" " 19	655	528	486 00	447 16	27	11	25	1183	933 16
" " 26	669	528	486 00	447 16	27	11	25	1197	933 16
	2618	2112	$1944 00	$1775 32	.....	.....	.....	4730	$3719 32
Week ending November 2	707	528	$486 00	$437 17	27	11	25	1235	$923 17
" " 9	937	528	486 00	433 00	27	11	25	1465	919 00
" " 16	1011	528	486 00	443 00	27	11	25	1539	929 00
" " 23	1059	528	486 00	448 00	27	11	25	1587	934 00
" " 30	1019	528	486 00	448 00	27	11	25	1547	934 00
	4733	2640	$2430 00	$2209 17	.....	.....	.....	7373	$4639 17
Week ending December 7	1045	528	$486 00	$446 33	27	11	25	1573	$932 33
" " 14	1039	464	486 00	389 00	27	11	25	1503	875 00
" " 21	1022	528	480 00	446 83	27	11	25	1550	926 83
" " 28	1052	528	483 00	429 83	27	11	25	1580	912 83
" " 31	1111	660	486 00	438 00	27	11	25	1771	924 00
	5269	2708	$2421 00	$2149 99	.....	.....	.....	7977	$4570 99

TABLE A—Continued.

SIXTH DISTRICT. JOHN MEAGHER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending January 6	1114	566	$504 00	$347 31	28	9	20	1680	$851 31
" " 13	1118	587	504 00	348 28	28	9	20	1705	852 28
" " 20	1100	493	504 00	322 24	28	9	20	1593	826 24
" " 27	1100	590	504 00	358 83	28	9	20	1690	862 83
	4432	2236	$2016 00	$1376 66	.....	.....	.....	6668	$3392 66
Week ending February 3	1076	421	$504 00	$268 34	28	9	19	1497	$772 34
" " 10	1109	464	504 00	292 61	28	9	19	1573	796 61
" " 17	1106	340	504 00	244 47	28	9	19	1446	748 47
" " 24	1121	482	504 00	326 98	28	9	19	1603	830 98
	4412	1707	$2016 00	$1132 40	.....	.....	.....	6119	$3148 40

Week ending March 3	1132	358	$504 00	$220 96	28	9	19	1490	$724 96
" " 10	1117	569	504 00	344 50	28	9	19	1686	848 50
" " 17	1109	600	504 00	352 00	28	9	19	1709	856 00
" " 24	1087	599	504 00	352 00	28	9	19	1686	856 00
" " 31	1089	572	504 00	344 50	28	9	19	1661	848 50
	5534	2698	$2520 00	$1613 96				8232	$4133 96
Week ending April 7	1093	592	$522 00	$350 50	29	9	19	1685	$872 50
" " 14	1076	444	522 00	287 44	29	9	19	1520	809 44
" " 21	1009	592	522 00	350 50	29	9	19	1601	872 50
" " 28	1007	598	522 00	352 00	29	9	19	1605	874 00
	4185	2226	$2088 00	$1340 44				6411	$3428 44
Week ending May 5	994	587	$522 00	$349 00	29	9	19	1581	$871 00
" " 12	996	591	522 00	347 50	29	9	19	1587	869 50
" " 19	980	577	522 00	347 50	29	9	19	1557	869 50
" " 26	985	569	522 00	341 14	29	9	19	1554	863 14
	3955	2324	$2088 00	$1385 14				6279	$3473 14
Week ending June 2	975	593	$522 00	$350 50	29	9	19	1568	$872 50
" " 9	1015	565	522 00	340 48	29	9	19	1580	862 48
" " 16	974	598	522 00	351 16	29	9	19	1572	873 16
" " 23	968	598	522 00	352 00	29	9	19	1566	874 00
" " 30	1014	598	522 00	352 00	29	9	19	1612	874 00
	4946	2952	$2610 00	$1746 14				7898	$4356 14

TABLE A--Concluded.

SIXTH DISTRICT. — JOHN MEAGHER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total amount of Loads Removed.	Total Amount of Expenditures.
Week ending July 7	955	598	$522 00	$352 00	29	9	19	1553	$874 00
" " 14	949	775	522 00	343 00	29	9	19	1724	865 00
" " 21	956	578	522 00	346 00	29	9	19	1534	868 00
" " 28	951	599	522 00	352 00	29	9	19	1550	874 00
	3811	2550	$2088 00	$1393 00	.....	.....	.....	6361	$3481 00
Week ending August 4	930	598	$522 00	$352 00	29	9	19	1528	$874 00
" " 11	938	598	522 00	390 32	29	9	23	1536	912 32
" " 18	934	598	522 00	392 00	29	9	23	1532	914 00
" " 25	929	639	522 00	400 82	29	9	23	1568	922 82
	3731	2433	$2088 00	$1535 14	.....	.....	.....	6164	$3623 14

Week ending September 1	925	654	$522 00	$406 16	29	10	23	1579	$928 16
" " 8	923	654	522 00	407 00	29	10	23	1577	929 00
" " 15	931	638	522 00	399 98	29	10	23	1569	921 98
" " 22	932	448	522 00	322 82	29	9	23	1380	844 82
" " 29	955	581	522 00	385 82	29	9	23	1536	907 82
	4666	2975	$2610 00	$1921 78	.....	.....	.....	7641	$4531 78
Week ending October 6	956	598	$522 00	$389 48	29	9	23	1554	$911 48
" " 13	932	582	522 00	385 82	29	9	23	1514	907 82
" " 20	857	592	522 00	390 50	29	9	23	1449	912 50
" " 27	936	593	522 00	390 50	29	9	23	1529	912 50
	3681	2365	$2088 00	$1556 30	.....	.....	.....	6046	$3644 30
Week ending November 3	944	537	$522 00	$359 60	29	9	23	1481	$881 60
" " 10	957	495	522 00	339 28	29	9	23	1452	861 28
" " 17	963	565	522 00	383 00	29	9	23	1528	905 00
" " 24	897	581	522 00	377 45	29	9	23	1478	899 45
	3761	2178	$2088 00	$1459 33	.....	.....	.....	5939	$3547 33
Week ending December 1	986	658	$522 00	$405 99	29	9	23	1644	$927 99
" " 8	1001	609	522 00	392 48	29	9	23	1610	914 48
" " 15	1044	450	522 00	307 94	29	9	23	1494	829 94
" " 22	1053	641	522 00	404 00	29	10	23	1694	926 00
" " 29	1110	655	522 00	405 32	29	10	23	1765	927 32
	5194	3013	$2610 00	$1915 73	.....	.....	.....	8207	$4525 73

TABLE B.

Report of work done in the Department of Street Cleaning for each month of the year ending December 31, 1894, and amount expended fo Dumps, Tools and Incidentals; also total amount of Receipts for Refuse, etc.

Months.	Salaries.	Total Number of Loads of Garbage Collected and Removed.	Total Number of Loads of Street Dirt, Sand, Snow, Ice, etc., Collected and Removed.	Cost of Collecting and Removing Garbage.	Cost of Collecting and Removing Street Dirt, Sand, Snow, Ice, etc.	Cost of the Several Dumps.	Expenditures for Tools, Incidentals, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads of all Kinds Collected and Removed.	Total Expenditure for Work Done in Street and Garbage Department.	Total Expenditure for Sweeping Machines, Sprinklers, etc.	Paid to M. W. Adams for Removal of Garbage.	Total Amount of Money Received and Paid to Comptroller.
January		22,597	12,778	$11,382 00	$10,492 60	$392 68	$ 95 65	155	63	146	35,375	$21,874 60	$ 174 70	$4,750 00	$23 70
February		22,937	10,893	11,157 00	9,316 75	384 00	88 00	155	63	145	33,830	20,473 75	457 05		
March		26,508	13,752	12,879 00	11,433 81	388 00	191 40	155	63	145	40,260	24,312 81	329 48		159 70
April		22,991	12,912	11,574 00	10,544 01	384 00	126 07	156	66	145	35,903	22,118 01	908 94	2,375 00	104 50
May		23,073	15,549	12,513 00	11,835 93	389 32	140 77	157	68	146	38,622	24,348 93	1,332 60		
June		22,143	14,773	12,642 00	11,588 70	398 00	163 17	158	68	147	36,916	24,230 70	582 53		
July		20,066	14,719	12,198 00	11,546 59	437 68	193 02	158	68	147	34,785	23,744 59	2,764 92	2,375 00	191 30
August		20,934	14,477	12,618 00	12,266 05	439 68	106 75	158	68	154	35,411	24,884 05	980 60		
September		20,569	14,475	12,147 00	11,589 14	429 00	138 20	158	68	156	35,044	23,736 14	815 35		
October		19,304	15,434	12,456 00	12,408 17	434 34	74 62	158	68	158	34,738	24,864 17	1,244 31		
November		20,506	13,670	12,357 00	11,525 52	443 00	144 75	158	68	157	34,176	23,882 52	983 50		54 92
December		26,838	16,483	14,202 00	13,327 61	437 68	189 02	158	69	157	43,321	27,529 61	1,488 63		145 05
Total	$9,999 84	268,466	169,915	$148,125 00	$137,874 88	$4,957 38	$1,651 42				438,381	$285,999 88	$12,062 61	$9,500 00	$679 17

TABLE C.

RECAPITULATION.

Total number of loads of garbage and ashes collected and removed, from January 1 to December 31, 1894, inclusive	268,466
Total number of loads of street dirt, sand, etc., collected and removed, from January 1 to December 31, 1894, inclusive	169,915
Total number of loads of all kinds removed during the year 1894	438,381

TABLE C—Continued.

Total amount paid for collecting and removing garbage and ashes, from January 1 to December 31, 1894, inclusive	$148,125 00	
Total amount paid for collecting and removing street dirt, sand, etc., from January 1 to December 31, 1894, inclusive	$137,874 88	
		$285,999 88
Amount of money received for refuse, etc., from January 1 to December 31, 1894, inclusive		$679 17

TABLE D.

Showing the Amount of Animal and Vegetable Garbage delivered to Contractors at Canton and Winan's Cove Dumps.

1894. Months.	Canton Dump.	No. of Loads.
January	John Hughes, Superintendent	1,306
February	" " "	1,306
March	" " "	1,655
April	" " "	1,314
May	" " "	1,718
June	" " "	3,143
July	" " "	3,192
August	" " "	4,679
September	" " "	3,382
October	" " "	1,469
November	" " "	1,843
December	" " "	1,476
		26,483

TABLE D—Concluded.

1894. Months.	Dumps Nos. 2 and 3— Winan's Cove and Ranstead's Wharf.	No. of Loads.	Total.
January	Louis S. Fefel, Sup't.....	2,548	3,854
February ...	" "	2,512	3,818
March.....	" "	2,571	4,226
April.....	" "	3,694	5,008
May.....	" "	4,021	5,739
June.....	" "	5,481	8,624
July.....	" "	5,408	8,600
August.....	" "	6,263	10,942
September ..	" "	5,686	9,068
October.....	" "	5,986	7,455
November...	" "	4,226	6,069
December...	" "	3,604	5,080
		52,000	78,483

TABLE E.

Showing Disbursements for Year Ending December 31, 1894.

Total amount expended for collecting and removing garbage, ashes, street dirt, etc., from January 1 to December 31, 1894	$285,999 88
Amount expended for dumps from January 1 to December 31, 1894	4,957 38
Amount expended for salaries from January 1 to December 31, 1894	9,999 84
Amount expended for sweeping machines, sprinklers, etc	12,062 61
Amount expended for tools from January 1 to December 31, 1894	1,651 42
Paid M. W. Adams for removal of garbage	9,500 00
Total	$324,171 13

Amount of appropriation for the Department of Street Cleaning for the year 1894	$354,973 00
Amount of appropriation expended	324,171 13
Total unexpended balance	$30,801 87

TABLE F.

Showing Amount Expended for Removal of Garbage, Street Dirt, etc., in the City Annex, and Salary of Superintendent.

SEVENTH DISTRICT. JOSEPH McGEE, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending January 6	530	181	$252 00	$174 96	14	5	12	711	$426 96
" " 13	528	195	252 00	193 26	14	5	12	723	445 26
" " 20	523	217	252 00	204 99	14	5	12	740	456 99
" " 27	517	217	252 00	223 33	14	5	12	734	475 33
	2098	810	$1008 00	$796 54	.....	.....	.....	2908	$1804 54
Week ending February 3	538	126	$252 00	$128 39	14	5	12	664	$380 39
" " 10	538	195	252 00	189 42	14	5	12	733	441 42
" " 17	536	82	252 00	153 80	14	5	12	618	405 80
" " 24	530	212	252 00	217 50	14	5	12	742	469 50
	2142	615	$1008 00	$689 11	.....	.....	.....	2757	$1697 11

Week ending March 3	561	237	$252 00	$171 21	14	5	12	798	$423 21
" " 10	537	218	252 00	208 33	14	5	12	755	460 33
" " 17	534	240	252 00	203 00	14	5	12	774	455 00
" " 24	541	233	252 00	206 66	14	5	12	774	458 66
" " 31	543	212	252 00	221 16	14	5	12	755	473 16
	2716	1140	$1260 00	$1010 36				3856	$2270 36
Week ending April 7	537	297	$252 00	$175 79	14	5	12	834	$427 79
" " 14	543	170	252 00	144 95	14	5	12	713	396 95
" " 21	535	228	252 00	208 33	14	5	12	763	460 33
" " 28	479	253	252 00	224 16	14	5	12	732	476 16
	2094	948	$1008 00	$753 23				3042	$1761 23
Week ending May 5	481	237	$252 00	$208 32	14	5	12	718	$460 32
" " 12	423	260	252 00	210 00	14	5	12	683	462 00
" " 19	418	229	252 00	210 00	14	5	12	647	462 00
" " 26	424	263	252 00	207 42	14	5	12	687	459 42
	1746	989	$1008 00	$835 74				2735	$1843 74
Week ending June 2	432	244	$252 00	$206 66	14	5	12	676	$458 66
" " 9	439	240	252 00	172 63	14	5	12	679	424 63
" " 16	441	263	252 00	208 33	14	5	12	704	460 33
" " 23	442	253	252 00	210 00	14	5	12	695	462 00
" " 30	435	247	252 00	224 16	14	5	12	682	476 16
	2189	1247	$1260 00	$1021 78				3436	$2281 78

TABLE F—Continued.

SEVENTH DISTRICT. JOSEPH McGEE, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, etc., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending July 7	446	244	$252 00	$210 00	14	5	12	690	$462 00
" " 14	466	232	252 00	210 00	14	5	12	698	462 00
" " 21	454	252	252 00	210 90	14	5	12	707	462 00
" " 28	441	246	252 00	225 00	14	5	12	687	477 00
	1807	975	$1008 00	$855 00	.....	.....	.....	2782	$1863 00
Week ending August 4	441	253	$252 00	$210 00	14	5	12	694	$462 00
" " 11	447	241	252 00	203 33	14	5	12	688	455 33
" " 18	462	235	252 00	210 00	14	5	12	697	462 00
" " 25	455	246	252 00	223 33	14	5	12	701	475 33
	1805	975	$1008 00	$846 66	.....	.....	.....	2780	$1854 66

Week ending September 1	453	228	$252 00	$202 00	14	5	12	681	$454 00
" " 8	454	239	252 00	205 83	14	5	12	693	457 83
" " 15	448	227	252 00	208 33	14	5	12	675	460 33
" " 22	448	216	252 00	172 00	14	5	12	664	424 00
" " 29	412	247	252 00	221 66	14	5	12	659	473 66
	2215	1157	$1260 00	$1009 82				3372	$2269 82
Week ending October 6	411	235	$252 00	$207 00	14	5	12	646	$459 00
" " 13	429	222	252 00	190 92	14	5	12	651	442 92
" " 20	435	250	252 00	210 00	14	5	12	685	462 00
" " 27	428	248	252 00	219 00	14	5	12	676	471 00
	1703	955	$1008 00	$826 92				2658	$1834 92
Week ending November 3	421	209	$252 00	$171 79	14	5	12	630	$423 79
" " 10	434	190	252 00	174 96	14	5	12	624	426 96
" " 17	484	219	252 00	207 50	14	5	12	703	459 50
" " 24	508	216	252 00	202 41	14	5	12	724	454 41
	1847	834	$1008 00	$756 66				2681	$1764 66
Week ending December 1	513	221	$252 00	$208 33	14	5	12	734	$460 33
" " 8	515	232	252 00	210 00	14	5	12	747	462 00
" " 15	536	150	252 00	140 00	14	5	12	686	392 00
" " 22	512	227	252 00	210 00	14	5	12	739	462 00
" " 29	525	195	252 00	200 75	14	5	12	720	452 75
	2601	1025	$1260 00	$969 08				3626	$2229 08

TABLE F—Concluded.

Showing amount expended, etc.

Amount of appropriation.....		$26,085 00
Amount expended for removing garbage and ashes, from January 1 to December 31, 1894...	$13,104 00	
Amount expended for removing street dirt, sand, etc., from January 1 to December 31, 1894.....	10,370 90	
Salary of Superintendent, from January 1 to December 31, 1894.....	999 99	
		24,474 89
Unexpended balance.....		$1,610 11

THIRTY-FIFTH ANNUAL REPORT

—— OF THE ——

PUBLIC PARK COMMISSION

—— TO THE ——

MAYOR AND CITY COUNCIL OF BALTIMORE,

—— FOR THE ——

FISCAL YEAR ENDING DECEMBER 31, 1894.

The Public Park Commission

— OF THE —

City of Baltimore, Maryland.

HON. FERDINAND C. LATROBE, MAYOR,
Chairman Ex-officio.

GEN. JOHN S. BERRY,
Secretary.

DAVID L. BARTLETT,

GERMAN H. HUNT,

JOHN C. FROEHLICH,

DOUGLAS H. THOMAS,

GEORGE R. WILLIS.

REPORT

— OF THE —

PUBLIC PARK COMMISSION.

BALTIMORE, December 31, 1894.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

In accordance with Section 5 of an ordinance providing for a public park or parks, approved July 21, 1860, we beg leave to submit a brief summary of what has been accomplished during the past year in the public parks under our care.

At Druid Hill, the widening and macadamizing of the western end of the lake drive was resumed early in the year and pushed to completion, including the improvement of the adjoining slope, and the building of a new connection with the main drive. The stone walk to the mansion has been widened from 6 to 12 feet. A new

and attractive office building has been erected, offering much needed facilities for the conduct of the park business; a large public closet is being erected nearby. The construction of a bridle path through the recently acquired Mason property has added an attractive feature for equestrians. The new entrance of granite and iron at Latrobe and Park avenues has been carried as far as the weather permitted. Many other improvements have been made of minor importance, and the park has been kept in excellent order during the year. The Palm House has been a great source of pleasure to visitors at all times, and is filled with beautiful specimens.

At Patterson Park the construction of the eastern extension has progressed well in consideration of the moderate force employed. A new propagating house has been erected, and the main drive from Baltimore street to Eastern avenue completed. Much credit is due the local superintendent for the fine display of foliage beds during the season, and the attractive condition in which the conservatory has been kept.

Federal Hill and Riverside Parks, whilst not noticeable on account of much new work, have been kept in excellent order. At Federal Hill all the stairways have been either rebuilt or repaired, and a granite stairway constructed at the Johnston street entrance. At Riverside all the buildings have been repainted. The gardening at both parks has been well designed and attractive.

Johnson Park is increasing in attractiveness every year, and is an ornament to the neighborhood, whilst the Mount Royal terraces have done credit to their conspicuous position.

Collington Park being still unfinished, makes but little show. Carroll Park has advanced rapidly during the year in every way. Most of the surface and all of the drives and paths are far advanced towards completion. A propagating house has been built, also a considerable extent of hot beds. The nursery has been much enlarged, and the entire gardening department has been very successfully administered. The foliage and other beds have been very beautiful. A large number of trees and shrubs of rare character have been set out during the year. All this beautiful park needs is accessibility to make it thoroughly appreciated, and this will come with the grading of the surrounding streets. The southern extension is now in our possession, and the filling-in is progressing well.

With this general account of what has been done, we respectfully refer you to the reports which follow for particulars.

REPORT

—OF THE—

General Superintendent and Engineer.

BALTIMORE, December 31, 1894.

To the Public Park Commission:

GENTLEMEN:

I beg leave to submit my report for the year 1894.

DRUID HILL PARK.

(671.21 Acres.)

ENTRANCES.

The opening up of the district immediately south of this park to building enterprise, the grading of streets, especially Park avenue, and the consequent increase of travel from that section, having made it desirable and necessary to improve the Latrobe avenue entrance, lately known as the upper Mount Royal entrance, it was decided by your honorable body to erect a suitable gateway at that point. The plans having been approved and bids obtained, the granite-work and iron-work was

contracted for. On August 9, excavation was begun for the central tower, and carried to a depth of four feet, when good gravel was found, and also an unexpected obstruction in the shape of a 30-inch city water-main. This compelled us to make a portion of the foundation 8 feet deep, and construct a tunnel of masonary around the pipe with an accessible stone chamber around the joint. This arrangement permits the withdrawing of the pipe and making of repairs, and was done with the consent of the Chief Engineer of the Water Board. We began laying stone in the foundation August 11, and finished the work ready for the granite tower in about ten days. The first granite was laid in September by the contractor, and has progressed slowly ever since. At this date the tower is finished to the crown of the archway with all the stone ready to lay when the weather permits. The material and workmanship are of the best quality. The iron gates are also on the ground ready to go up. Each gate is 57 feet long, and the total length of the structure will be 137 lineal feet. The electric light, stand and lamp has been let, and is in course of construction. The gateway is placed so as to face between Latrobe and Park avenues, and owing to its great width will require a readjustment of the ground in its immediate vicinity.

An entrance and gateway to accomodate the new terminus of the Central Railway Co. on Druid Hill avenue was put up in the month of June and finished with a

powerful incandescent lamp by the railway company. This enabled us to close the old entrance nearby, which was very narrow and badly placed.

The new gateman's box at Eutaw place entrance was completed in January. In March the old box at Pimlico gate was replaced by the one removed from Eutaw place, and a new box was built at the Green Spring avenue gateway, thus completing the equipment of all entrance gates into the park.

DRIVEWAYS.

The most important piece of work done during the year on driveways was the widening and macadamizing of the western section of the lake drive (originally) from 24 to 27 feet in width. It has been increased to from 35 to 40, and even more, the greatest width being in the curves. Averaging the increase we have widened 1,180 lineal feet of driveway to 37½ feet. The preparatory grading, which was begun in 1893, was resumed in January and finished in March, and in May the macadam amounting to 5,542 square yards, which includes the expansion around the Columbus Statue, was in place. This macadam was intended to be 8 inches thick when finished and consolidated by rolling; it actually varies from 8 to 9 inches, and took about 12 inches of loose stone. Of this, 2 inches is hard Frederick county limestone, which forms the wearing surface; the balance is our own park stone, which answers very well for the

foundation and body of the work. In this connection it might be well to state that our gneiss quarry is about exhausted. The macadam paving laid thus far in Druid Hill Park has cost from 80 to 90 cents per square yard, being 8 to 9 inches thick. Our own stone costs us, crushed at the machine and ready to haul, 95.5 cents per cubic yard. This improvement included the construction of an entirely new link or connection between the lake drive and the main drive to the westward, 105 feet long; also the reconstruction of 275 feet of gravel road. The amount of excavation from the road-bed and slope was large but was all disposed of in filling in low places and making the 105 feet of new road. An entire remodeling of the drainage of this section was involved in these changes and was made difficult by the extreme flatness of the grade.

This improvement is a very important one; the old road was very narrow and very wet in bad weather; the drainage was in wretched condition; the slopes needed cutting back, and the connection between the lake drive and the main drive was awkward and inconvenient. Its completion marks an important step forward.

Five hundred lineal feet of Drive No. 7, in the woods north of Spring Lake, were widened 5 feet and guttered in September.

No other work except repairing has been done on driveways during the year, and I am pleased to be able

to say that our rotten rock quarry still contains a large amount of material available for repairs.

BRIDLE PATHS.

It is not often that such an opportunity offers to construct an attractive bridle path as was furnished by the Mason property acquired by condemnation in 1893, and cleaned out the same year. The line was located and the work begun in June, and was opened to the public in September. The length of the new work is 3,182 feet and is 12 feet wide. Winding around the hill-side it commands all the pretty and romanic bits of scenery in the valley of the falls. Advantage was taken at the crossing of a spring branch to build a stone dam which serves as a bridge also, and creates a small lake or pool where horses can be watered. It is arranged with bottom valve for emptying in the winter season.

The western terminus of the new bridle path connects with the old bridle path, and from this point on the old bridle path was rebuilt for a distance of 3,000 feet to its junction with Road No. 7. The proper drainage of these 6,182 linal feet required a great deal of guttering and pebble paving. The work seems to give great pleasure to equestrians.

FOOTWAYS.

An unusual amount of work has been done on footways during the year, other than ordinary repairing. The

principal undertaking was the widening of the stone pathway from the Washington Statue to the Mansion, a distance of 2,546 lineal feet, from 6 feet to 12 feet. The necessity for the work had long been apparent, the grass borders had become completely destroyed, and the edges of the blue-stone flags undermined; the cost of blue-stone flagging, 32 cents per square feet laid, was prohibitory; asphalt block cost 25 cents per square foot, and brick would not do. It was then decided to try Jones' Falls gneiss split into 4-inch slabs laid on sand and jointed with cement. The result has been very satisfactory to the people and to the park, whilst the cost was only 12.39 cents per square foot. This work required a large amount of grading, re-shaping, and sodding of borders; it was begun in August and finished in November.

A new footway was completed in June from the head of Swann avenue through the woods to the Columbus Statue, and thence eastward to a point on Druid avenue. In September an extension of this pathway was made from Druid avenue to East avenue, emerging at a point opposite the pump-house. This line of footway is 2,450 feet long by 6 feet wide, and has become a necessity to a large number of working people on their way to the Cedar avenue crossing of the falls.

The opening of the new gate on Druid Hill avenue of the Central Railway Co. made it necessary to construct a

commodious footway into the main path a distance of 300 feet. This footway was surfaced with fine broken stone.

The footway from the Twin Beeches, on drive No. 9, to the West Woodberry gate, was entirely re-located and rebuilt, the length being 450 feet. The old footway was dark, winding, and dangerous. The new one is straight, open, and clearly visible from the road to the gate.

All the steep footways ascending the slopes of Mount Royal Reservoir were paved with pebbles during the month of May. These footways had to be re-made after every rain-storm. They are now permanent.

The last work of the year on footways was the paving with asphalt tiles from Swann avenue to the new office building and around the same. This was completed in December.

To sum up, there have been constructed during the year:

Of stone flagged footways	1,697	sq. yds
" graveled footways	2,133	"
" pebble paved footways	838	"
" asphalt tiling footways	441	"

DRAINAGE.

The most important piece of drainage-work constructed during the year was the line of 8-inch pipe

extending from the new closets back of new office building to the sewer at the corner of Druid Hill avenue and Park terrace. This work was begun September 18th, and was completed in October. For a distance of 180 feet the trench ran from 6 to 15 feet deep, requiring heavy planking through this heavy cut. Iron pipe was laid as terra-cotta could not be relied on to sustain the pressure of earth. The balance of the line was laid with terra-cotta, the entire distance being 400 lineal feet. There are two sealed wells on the line and there will be a third at its beginning. These make it accessible for inspection and cleansing. The grade is ample to carry off the sewage rapidly.

The next piece of work in importance has been the reconstruction of the drainage line east of the pump-house. This line had been down for many years and was completely worn out, the 18-inch pipe having been in many places ground down to one-quarter of an inch in thickness; hence the line had crushed and caved in in many places. As it was our main line of drainage as well as the Water Department's from the pump-house, it was arranged that each party in interest should pay half the cost, we to do the work. As the Water Department could not stop pumping, which kept a heavy flow of the water of condensation through the old pipe line, and as the old pipe was unfit to relay, it was decided to dig a new ditch parallel with the old one and lay a new pipe of same diameter 18-inches. This was done and

finished in November. After giving the inlets, junction chambers, and pipes time to set and the cement to harden, the water was turned into the new line. The old line will be patched up as a safety-valve in very heavy floods. This line of drainage is 657 feet long, and involves two stone chambers and some brickwork. The cost of the work cannot be given until the old line is patched up, which has not yet been done on account of bad weather. A good deal of minor drainage was done, which is included in the following summary of pipe laid:

18-inch	terra-cotta	668	lin. ft.
12 "	"	321	"
10 "	"	99	"
8 "	"	500	"
8 "	iron pipe	180	"
6 "	"	72	"
6 "	terra-cotta	142	"
4 "	"	112	"
3 "	"	96	"
Sealed wells built		4	
No. 1 open inlets		11	
No. 2 "		7	
No. 3 "		3	

In addition to the above underground drains there have been laid and relaid the following surface drains:

28-inch stone-gutter, new.....8,678 lin. ft.
" " " relaid...3,495 "
3 and 4 brick gutter .....1,699 "

And in connection with the surface drainage:

Of pebble pavement .....1,178 sq. yds.
" cobble-stone..... 72 "

BUILDINGS.

An extension of the wagon-shed having become necessary to shelter the increase in rolling stock, and also a warm camel stable, the work was begun in April. Three panels were added to the wagon-shed, and a stable in the same style, but separated some little distance, was built, containing six roomy stalls in which the camels are now comfortably housed. The extension to the wagon-shed was finished in June, the camel stable in August. In August the old office building was removed and the foundation for the new work begun according to the plans approved by the Commission. The work progressed steadily to its completion in November, when it was accepted and occupied. It has been well and faithfully built, and is an acceptable addition to the appearance of that section of the park as well as a great convenience to the management. The public closets in the rear of the office building were begun in December, and have advanced as rapidly as the weather would admit of.

To the above must be added the two new gate-houses built during the year and noticed under the head of entrances.

MASONRY.

This item covers the rebuilding in cement of three-fifths of the support wall around the boat-lake, including that around the island where the pavilion for skaters is situated. This wall is 4 feet high by 18 inches thick, and 1,629 feet long, and includes five landing stairs. In connection with this work the decayed wooden stairway from the skating pavilion platform to the lake has been rebuilt in stone. It is proposed to finish the remaining 1,059 lineal feet of support wall next autumn. This improvement was much needed, and could only be made in conjunction with the cleaning out of the boat-lake and the withdrawal of the water. The new basin for the bull fountain, in the Rhododendron plat, was solidly built in stone and cement and then concreted, after laying the supply and drainage pipes. The coping stone of the two fountains at the mansion were reset and the basins recemented. A number of head walls and protection walls were built at different points.

FENCING.

The following amounts were built during the year:

Of 6 feet picket fence.....	1,991 lin. ft.
Of guard railing.....	5,390 " "

The picket fence was built alongside the Northren Central Railway, and wherever the ground admitted of it, it was placed upon the true division line.

PAINTING.

A large amount of painting has been done during the year—seven gate-houses, two keeper's boxes, the skating pavilion inside and out, the monkey-house and cages, the new camel stable, all woodwork on the roof of the Mansion House above the cornice, the bull fountain, the roofs of all closets, the sheepfolds, the wagon-shed, 1,600 lineal feet of guard rail, and 612 park benches. Many odd jobs of painting were done besides the items named above. All colors were mixed and applied by our own painters, and none but the best materials used. For all metallic surfaces such as roofs, Prince's metallic paint was used.

GARDENING.

Nothing especially new has been done in this department. The beds along Latrobe avenue have been remodeled and rounded up, as last year's experience, proved them to have been too flat for good effect. Tree planting has only been carried on so far as to replace dead specimens. The nursery has been much improved by the removal of the ugly picket fence and the substitution of an open wire fence; it has been replenished with some good stock, and is somewhat enlarged. The palm house has been kept in excellent order, and has had many visitors. The propagating house is now well filled for spring planting. Many of the flower beds are filled with bulbs for early spring flowering. All routine work

has been faithfully attended to, and all plantations are in good order.

SUNDRIES.

One of the most laborious pieces of work undertaken during the year was the removal from the boat-lake of an accumulation of muck which had been collecting for thirty years and had become infested with marine grasses which seriously interfered with boating in the season. Having emptied the lake of its water, 4,018 cart loads of this rich deposit were removed, treated with slacked shell lime, and deposited for future use. Fully two-thirds of the erea of the lake were cleansed and the original bottom of rotton rock laid bare. This work was closed for the season just before Christmas, and enough water was let in to form ice for the skaters.

During September an exchange was effected with the Woodberry Manufacturing Company by which we obtained possession of a narrow strip of ground along the Northern Central Railway in return for an outlying triangle across the Railway; this enabled us to rectify our line at this point.

In August we took charge of the men's closet at the Traction terminus, reorganized the plumbing and put it in thorough order. It had been closed for some time to the public.

Two new and improved watering wagons were added to the equipment during the year and two old wagons refitted with new tanks and sprinklers, increasing the total number to 11.

The grass crop was very heavy this year and we saved 120 tons of excellent hay. In addition to specified works, the routine of the park and all repairs have been satisfactorily conducted during the year.

The electric lights have at times been very poor and formal complaint was made to the company. On two occasions the lamps were affected by leaks in our cable line, which were rectified. During the summer we had the power and efficiency of the current furnished us tested by an expert; the report was satisfactory. My impression is that the lamps are poor and probably worn out; the cable conduit also needs renewal where burned underground. The incandescent lamps which were installed along the pathways through the woods have never been relit since the Brush Company's works were burned, October, 1893.

The collection of birds and animals has been kept as full as our facilities admitted of and has continued in good health. The Maryland building is in excellent order since Mr. Marshall's rearrangement was completed early in the year, and a number of improvements have been made in the security of the cases. We have room for a good many more specimens.

The flock of Southdown sheep numbers 174 and is in the best condition.

Capt. Cassell reports that the police arrangements have been entirely satisfactory during the year, and speaks highly of the efficiency of the bicycle experiment.

Permits for 689 picnics have been issued; the largest, 1,800; the smallest, 180; the total estimate being about 300,000. Permits issued for base-ball, 809. These figures indicate a large increase. The arrests as reported amount to only 18; of those 9 paid fines, 7 were dismissed, and 2 were committed. This speaks well for the temper of the people and the police arrangements.

The number of suburban resorts recently opened in connection with rapid transit have, however, relieved us of many unruly characters during the past season.

PATTERSON PARK AND EXTENSION.

(106 Acres.)

ENTRANCES.

Two gateways have been established on the extension, one at Baltimore street, and one at Eastern avenue, since the completion of the north and south driveways. These gateways are of a temporary character, but are supplied with gateman's boxes of the standard pattern.

They were opened to the public in September, and put in charge of uniformed keepers. These gateways are moderately used. A new footway entrance was opened to the public in July on Baltimore street, opposite Milton Place. This is a light iron gateway opening to a flight of steps leading to the road above. This entrance is a great convenience to pedestrians going south from Baltimore street, which has built up very rapidly during the two years past. The gateman's box at the Lombard-street entrance was thoroughly repaired in February and placed on brick piers.

DRIVEWAYS.

In March we began the construction of the main driveway and branches on the extension from Baltimore street to Eastern avenue, which had been roughed out the year before. This work consisted in grading and macadamizing the road bed 30 feet wide, laying gutters, inlets and drains, soiling and sodding the borders, and constructing an eight-foot walk on each side, the length of the drive being 2,600 linear feet or about half a mile. The macadam is about 9 inches thick. For the heavy foundation, stone was brought in from east of the extension, and broken by hand in the bed of the road. This foundation when rolled and compacted was 6 to 7 inches thick; upon this was placed 3 inches of Frederick county limestone as a wearing surface, 2 inches of coarse and 1 inch of fine. The road, with its lateral works, was completed on September 7, and thrown

open to travel. The force employed varied from 5 to 10 men, who were shifted to other work from time to time as needed, always returning to the road when possible. This driveway is a great convenience to those going south from Baltimore street.

FOOTWAYS.

Nearly a mile of 8-feet footways has been made in connection with the new driveway in the extension mentioned above, filled in with oyster shells and graveled on top. One hundred feet of footway, 9 feet wide, and paved with alphalt block, was made west from the Casino to a connection with the old paths. This was done in April; in June, the footway connecting the Casino with the east drive, 150 feet long, was made. This footway contains two flights of granite steps brought from Union Square Spring, which we floored over at the request of the local commissioners.

DRAINAGE.

The new brick gutters laid connected with the new driveway amounted to	5,807 lin. ft.
All other new guttering to	450 " "
Brick gutters relaid at various places	3,723 " "
Total	9,980 lin. ft.

Underground drains laid at different places sum up 556 lineal feet.

In connection with these gutters and drains 12 inlets of different sizes were constructed.

SUNDRIES.

The interior of the fountain basin at the Lombard-street entrance was entirely reconstructed and lined with concrete. In doing this work the supply pipes and drainage were remodeled and much simplified. The basin had been in a leaky condition for years and could not be patched any longer. In May a drinking fountain was put up for horses in the circle east of the Casino.

In July the new propagating house was begun and finished in September. It is 16x95 feet and built against the old house; thus saving one wall and economizing heat. It will contain 40,000 plants and is warmed by hot air.

We have laid during the year in connection with new work 3,130 square yards of sodding, all obtained from the commons east of the extension.

Asphalt block paving laid	119 sq. yds.
Brick paving laid	50 " "
Guard fences built	2,209 lin. ft.

All buildings requiring it have been repainted.

Since the construction of the north and south driveway the force has been actively engaged in perfecting

the junction between the old park and the extension. This is completed except at Eastern avenue where we have torn down the temporary sheds used for the extension and are putting up a new tool house and property yard; when this is completed the premises will be cleaned up. This improvement will also increase the size of the nursery, which is too small. All the men we can spare are now engaged in running dirt in by car to finish up the incomplete terraces in the southern section of the extension.

GARDENING.

The conservatory and propagating houses are in excellent condition, with their contents, and a large amount of young stock is on hand for summer planting. The nursery is also well filled with young trees and shrubbery. During last summer 30,000 bedding plants were set out in the park beds and a large number sent to the smaller parks.

During October and November there were set out in the extension 118 deciduous trees, 41 evergreens and 178 flowering shrubs.

Arrests during the year, seven—four dismissed and three committed.

FEDERAL HILL PARK.

(8.25 Acres.)

The north and east slopes were readjusted during the year on account of some gradual settlements which had taken place. No slips or slides have occurred, however, for several years past, and it is to be hoped that the hill has at last become reasonably stable. One crater made its appearance, in the lower footway, north side, in February, leading, no doubt, into one of the numerous caverns below. It was filled with cinders and repaved.

The upper walks on the north and east fronts were regraded and repaved to conform to the slope,s and to relieve them of depression. The driveway was entirely regravelled.

Five flights of wooden steps were rebuilt on an improved plan, which I think will double their duration, two west, two east, and one south. These flights will average 25 feet in height each. The two on the north front were thoroughly repaired. In December the wooden entrance steps, western front, were replaced by a granite flight, which wound up the work on entrances.

Twenty-eight new benches were received from Druid Hill during the year, and securely fastened down on the north and east fronts at summit of hill.

All roofs and other parts requiring paint have been attended to. Ground bone and plaster have been applied to all slopes.

A summary of work done, other than routine:

Regrading and resodding slopes, sq. yds.	1,920
Regrading and relaying block-walks, sq. yds.	1,224
Relaying brick pavement, sq. yds.	162
New guard fence built, lin. ft.	200
New picket fence built, lin. ft.	88
New flights of steps built	5
Old flights of steps repaired	2
Granite entrance, west	1
Terra-cotta pipe laid, 8 in., lin. ft.	39
Trees set out	9

Three arrests were made during the year.

RIVERSIDE PARK.

(17.28 Acres.)

The force has been mainly employed during the year in routine work, in addition to which the following works have been executed:

The main entrance flight of steps has been rebuilt and improved in character and durability.

Brick pavements have been laid around the southern pavilion and on three very steep bits of footway. The fountain basin, which was much decayed, was entirely relined with cement concrete.

All the prominent buildings in the park, five in number, have been repainted, the roofs by our own men, the balance by contract. All dead trees have been replaced and new ones planted where desirable. We keep a small nursery going, which enables us to replace dead stock. The flower beds have been very handsome during the season, also the vases, which have been kept well filled. Mr. Clark is very successful, both at this park and at Federal Hill, with the horticultural department, in spite of the smoke and cinder which fills the air at both parks, but especially at Riverside, which is in immediate contact with the Baltimore and Ohio Railroad, and opposite the great Riverside round-house.

Summary of work done:

Brick pavement laid, square yards	527
New brick gutters, " "	688
Terra-cotta pipe, " "	69
Inlets built	2
Trees set out	41

Four arrests were made during the year.

I recommend the building of the proposed new entrance gate during the year. The present one is almost beyond repair, and is excessively narrow. The plans are on hand and have been approved by the Committee on Improvements.

JOHNSTON PARK.

(2.58 Acres.)

The month of January was fully occupied in putting the street tree boxes in shape, and in trimming trees and shrubs. During February and March the usual spring work fairly began, including the repainting of benches, the flag-pole and other matters. All dead shrubbery was replaced with new stock, and the lawns raked and cleaned.

In April the electric lamp poles, which had become very much decayed, were replaced with a good pattern of iron poles, set in concrete, and which have proved entirely satisfactory. From this time on, the work was routine; the usual summer beds were planted, with better results than during the previous season, due to better arrangement and coloring. Eight thousand four hundred and fifty bedding plants were used. The application of ground bone and plaster had an excellent effect upon the lawns.

During October the gateman's box was repaired, rearranged, and painted inside and out.

During November and December the upper lawns were ploughed up, to kill the bastard grasses which had taken possession of them and were sifted, until the weather stopped the work, in preparation for reseeding in the spring. Two thousand seven hundred bulbs were set out this month.

This pretty little park is becoming more attractive and more resorted to every year. All it requires now is the paving of the three remaining gravel walks with blocks to perfect its physical condition. The large extent of pavement around these small parks, which must be kept free of snow and constantly cleaned, adds very much to the labor of keeping them in order.

MOUNT ROYAL TERRACES.

(2 Acres.)

These terraces have been thoroughly overhauled during the year past. Settlements had gradually taken place all over them, necessitating the relaying of gutters and raising of walks and slopes. Weedy grasses had also taken possession in many places; 1,234 square yards of new sod were laid and 4,395 linear feet of gutters relaid.

The granite stairways were all reset and pointed up, also the corner walls. Such grass plats as required it were dug up in the early winter and left fallow until spring for reseeding. The summer beds were very handsome; 9,841 bedding plants were used for this purpose. Four thousand two hundred bulbs were set out in November for early spring flowering. All paths were dug up, dressed, rolled, and coated with crushed blue limestone. Routine work was faithfully attended to in addition to the above.

COLLINGTON PARK.

(5.14 Acres.)

The only work done in this park has been routine. The mowing and watering has been faithfully attended to and careful watch kept over the property by the one man employed. When repairs of any magnitude are needed a few men are sent over from Patterson Park to make them. It is to be hoped that the improvement of property around this park and the grading of the abutting streets may soon lead to its completion and use by the public. At present it is not of much benefit to the neighborhood, due to its unfinished condition.

CARROLL PARK.

(35.72 Acres.)

A very large amount of constructive work has been admirably well done in this park during the year in

addition to the necessary routine of keeping it in order. From January until April the entire force, except the gardeners, was employed in grading, soiling and sodding the north boundary slope on Ohio avenue which lies along the B. & O. R. R. Several thousand loads of gravel were removed and dumped in the low grounds inside the park; the slope was then soiled and sodded, using up 9,076 square yards of sod taken from adjacent commons. The Ohio avenue slope is 692 feet long by 27 feet wide. A large extent of lawn and hill-side was ploughed up, cleaned of stones and weeds, leveled off and seeded. The western slopes were also dressed up and sodded.

ENTRANCES.

Nothing has been done to the entrances during the year except to improve the approaches; the gateways will do for the present.

DRIVEWAYS.

One new driveway was constructed 398 feet long, 22 feet wide, which gives access to the mansion at the head of the mall. All finished driveways were kept in good order and regravelled where necessary; also the footways.

DRAINAGE.

This has been extended to the southward as rapidly as the completion of the surface required it, with terra-

cotta pipe. The laying of water pipe has also kept pace with the requirements.

GARDENING.

This has been a large feature in the year's work and has kept pace with the extension of the finished surface. All beds have been improved, and the planting and grouping of the plants has been very beautiful, and, indeed, could hardly have been better. During the year a propagating house with hot-air furnace has been built and put in operation. Size of house, 67x20 feet. A coal bin 10x10 feet was built near by. A hot-bed was also made adjoining the propagating house, 67x6 feet. These are now well filled with plants. The nursery has been largely increased in size and is full of young stock.

SUNDRIES.

A good temporary frame stable has been built containing two stalls. In connection with the above improvements the necessary paths, gutters and inlets have been constructed. The south fence has been raised to the proper level, and the old brick pits filled in with good material from inside and outside the park, as we were able to obtain it.

One new rockery bed was built in the north front of the park. During the month of May the flag pole was completely destroyed by lightning.

EXTENSION.

This area has been largely filled in during the year with ashes and good material, no garbage being allowed. We control this by keeping one of our men continually on the dump. The amount of filling in, as measured, is 512 feet by 294 feet and 5 feet deep, making 27,875 cubic yards. A large amount of soil has been hauled in and stored, in addition to what has been used. A summary of work done is given below:

Surface graded and seeded	38,819 sq. yds.
Surface sodded	3,700 " "
Soil used and stored	9,871 cub. yds.
Earth hauled and used	8,500 " "
Sand and gravel hauled	475 " "
Brick pavement laid	68 sq. yds.
Drain wells built	10
Gravelled paths made	925 lin. ft.
Driveways	398 " "
Brick gutters	2,634 " "
Water-pipe laid	865 " "
Watering plugs	5
Terra-cotta pipe laid	961 lin. ft.
Picket fence built	554 " "

PLANTING.

Deciduous trees	257
Evergreens	62

STOCK ON HAND.

Trees and shrubs in nursery	1,150
Evergreens	850
Bedding plants	31,500

Carroll Park is now in splendid condition, and in a few years will be one of the most attractive parks under the control of the Commission. I would respectfully urge that the new wings to the mansion be erected during 1895.

SUMMARY OF ARRESTS IN ALL PARKS.

Druid Hill Park	18
Patterson Park	9
Federal Hill Park	3
Riverside Park	4
Carroll Park	9
Johnston Square	2
Mount Royal Terrace	1

I must cordially acknowledge the faithfulness, industry and intelligence displayed by the Local Superintendents of all the parks in charge of your Honorable Commission, and also the valuable services of the Assistant Engineer.

Respectfully submitted,

C. H. LATROBE,

General Superintendent and Engineer.

INVENTORY OF PROPERTY.

DRUID HILL PARK.

Buildings.

Local superintendent's dwelling,
Palm house,
Filtering house (fish),
Hatching house (fish),
Monkey and bird house,
Maryland building,
Lumber shed,
Mansion house and restaurant,
Office for park officials,
Stone dwelling,
Propagating house,
Sheep and mule shelter,
13 picnic shelters,
18 water closets,
Barn and wagon shed,
Repair shop,
9 gate houses,
2 keepers' houses.

Stone Crushing Plant.

Engine-house and platform containing:

1 upright boiler,
1 stone-crusher and revolving screen,
1 horizontal engine,
1 elevating and inclined plane.

Fire-tools, engine-tools, and belting.

Live Stock.

18 mules,
10 horses.

Southdown Flock.

173 sheep.

Show Animals.

4 macaws,	4 cockatoos,
8 parrots,	8 paroquets,
15 mixed birds,	7 quails,
1 Central American Turkey,	1 golden pheasant,
1 owl,	1 raven,
3 wild geese,	2 brant,
3 Pekin Ducks,	3 bears,
6 monkeys,	1 ant bear,
1 fox,	1 badger,
4 ferrets,	2 wolves,
7 raccoons,	14 prairie dogs,
3 ground hogs,	7 rabbits.
4 camels,	

Rolling Stock.

11 watering wagons,	1 dray,
1 lumber wagon,	3 snow plows,
2 express wagons,	1 top buggy,
19 carts,	1 jagger,
1 night cart,	1 no-top buggy,
1 water cart,	1 steam load roller.

Harness and Horse Furniture.

11 sets double wagon harness,	2 sets double mowing harness,
3 sets single mowing harness,	3 sets single carriage harness,

19 sets single cart harness, 12 horse brushes,
12 curry-combs, 3 lap-robes,
2 horse-blankets.

Tools—Gardening Department.

2 wheelbarrows, 3 saws,
13 shovels and spades, all kinds, 7 thermometers,
10 forks, hoes and weeders, 12 brooms and brushes,
11 shears, knives and pruners, 6 buckets and cans,
6 furnace tools, 17 sundry implements,
2 two-horse mowers, 1 lot hot-bed cloth,
3 one-horse lawn mowers, 200 feet rubber hose,
3 hand lawn mowers.

Repair Shop.

1 set blacksmith's tools, 1 drill press,
1 set wheelwright's tools, 1 set pipe tools,
1 tire bender, 1 forge,
1 tire shrinker, 1 bellows.

General.

33 rakes, 93 picks,
62 shovels and spades, 48 mattocks,
22 hoes, 20 hammers,
55 forks, 14 axes,
21 steel wheelbarrows, 84 fork handles,
3 cross-cut saws, 33 sundries,
1565 park benches, 45 spare lamp-poles.

Stores.

27 barrels cement,
400 iron guards,
200 feet wire fencing,
50 feet hose,
15 lengths iron pipe, 6-in., 8-in., 10-in.,
270 lengths terra-cotta pipe, 2-in., 4-in., 6-in., 8-in., 12-in., 15-in., 18-in., 20-in., 24-in.
15 iron gratings,
4 double well covers,
2 barrels oil,
100 pounds lead,
600 bricks,
Lot of posts, lumber, sand, pebbles, etc.

PATTERSON PARK.

Buildings.

The Local Superintendent's house,
The conservatory,
1 propagating house,
1 boat-house,
1 water-gate tower,
1 fountain pagoda,
1 stable,
1 tool-house,
6 public closets,
1 ice-house,
The casino,
The observatory,
1 music pavilion,
5 shelters,
5 gatemen's boxes,
1 pump-house,
1 wagon-shed,
1 blacksmith's shop,
1 carpenter's shop.

Work Animals.

4 horses.

Rolling Stock.

1 lumber wagon,	1 express wagon,
1 watering wagon,	1 jagger,
3 carts,	1 one-horse roller,
4 hand-rollers,	1 two-horse roller,
23 dumping cars,	10 sets of harness,

Horse furniture.

Gardening Department.

3 plows,	1 cultivator,
1 harrow,	4 horse lawn mowers,
4 hand lawn mowers,	1 Champion hay mower,
2 hose carriages,	1 snow plow,

1 complete outfit of gardening tools, as per list on file.

Tools, Etc.

53 picks,	44 shovels,
11 mattocks,	5 axes,
21 stone hammers,	4 sledges,
9 crow bars,	20 wedges,
1 brass marine pump,	1 boat,
1 set blacksmith's tools,	12 wheelbarrows,

Miscellaneous tools, as per list on file.

Stores, Etc.

5130 feet track for dump cars, extension,
39 pieces of cut granite,
7 barrels of cement,
1300 bricks,
25 inlet gratings.
800 park benches,
191 terra-cotta pipe, 2-in., 4-in., 6-in., 8-in., 10-in., 12-in., 15-in. and 18-in. diameter,

FEDERAL HILL PARK.

Buildings.

Observatory and pavilion, Tool-house,
Public closet building.

Rolling Stock.

1 horse-mower,
1 hand-mower.

Tools.

12 picks,
21 shovels and spades,
2 scythes,
4 saws,
1 axe,
2 sledges,
1 mattock,
4 wheelbarrows,
4 rakes,
5 crow-bars,
4 hoes,
7 pruning-shears.
One lot of miscellaneous tools, as per list on file.

Stores, Etc.

193 park benches,
1 set pile-driver irons,
20 chairs,
12 bench legs,
Paint, oil, brushes, etc., as per list on file.

RIVERSIDE PARK.

Buildings.

2 pavilions,	1 tool-house,
1 stable,	2 cart sheds,
2 public closets,	1 wagon shed,

1 office building.

Work Animals.

2 horses.

Rolling Stock, Etc.

1 watering cart,	1 express wagon,
2 carts,	1 horse roller,
5 sets single harness,	2 horse blankets,
5 brushes and curry combs,	2 horse oil covers.

Tools, Etc.

2 one-horse lawn mowers,	2 hand lawn mowers,
4 wheelbarrows,	1 harrow,
28 shovels and spades,	6 picks,
2 mattocks,	1 axe,
6 rakes,	4 scythes,
6 pruning shears,	2 sickles,

One lot of miscellaneous tools, as per list on file.

Stores, Etc.

513 park benches, 11 terra-cotta pipes.

Paint, oil, cement, lime, nails, hose, etc., as per list on file.

JOHNSTON PARK.

Buildings.

1 keeper's house, with tool-box and fixtures.

Tools, Etc.

2 hand lawn mowers,	9 shovels and spades,
4 picks,	1 mattock,
1 hand roller,	5 pruners,
1 hose reel,	2 scythes,
116 park benches,	2 steel wheelbarrows,

One lot miscellaneous tools, as per list on file.

MOUNT ROYAL TERRACE.

Buildings.

1 keeper's house, with tool-box and fixtures.

Tools, Etc.

2 hand lawn mowers,	1 wheelbarrow,
1 pick,	7 shovels and spades,
5 pruners,	2 scythes,
1 hose reel,	1 hand roller,

One lot of miscellaneous tools, as per list on file.

CARROLL PARK.

Buildings.

The mansion house,	The pavilion,
1 propagating house,	1 stable,
1 tool-house,	2 public closets.

Work Animals.

1 horse.

Rolling Stock, Etc.

1 cart,	1 wagon,
1 set cart harness,	1 set wagon harness,

1 horse-blanket.

Tools, Etc.

1 horse lawn mower,	3 hand lawn mowers,
1 plow,	1 harrow,
1 horse roller,	1 hand roller,
13 wheelbarrows,	23 picks,
6 mattocks,	26 shovels and spades,
4 pruners,	2 scythes,
1 hose reel,	4 axes,

One lot of miscellaneous tools, as per list on file.

Stores, Etc.

98 park benches,	42 section T. C. pipe,
13 inlet gratings,	7 well covers,

3 barrels cement, etc., as per list on file.

REPORT OF THE TREASURER.

DRUID HILL PARK.

Disbursements—Year ending December 31, 1894.

Pay roll	$58,532 72
Plumbing	620 53
Office expenses	434 77
Carpentry	60 00
Sand and gravel	787 65
Bricks, stone, etc	5,840 28
Fertilizers	2,721 55
Trees, shrubs and plants	757 58
Roofing and spouting	331 25
Cement	1,207 60
Bricklaying, etc	3,729 79
Fuel	1,205 52
Paints and painting	779 91
Lumber	2,678 15
Masonry	3,432 67
Food for work animals	3,625 72
Amount carried forward	$86,745 69

Amount brought forward	$86,745 69
Electric lighting	3,128 10
Tools and hardware	658 47
Gas-lighting	61 63
Food for show animals	1,325 16
Horseshoeing	504 50
Harness and repairs	246 45
Rubber goods	214 50
Repairing wagons, carts, etc	212 80
Cart hire	1,680 84
Drain pipe	747 77
New wagons, carts, etc	1,162 10
Repairing park machinery	311 06
Gate houses	518 45
Stove and iron work	2,622 48
Office building	1,900 00
Latrobe avenue, entrance gate	3,137 50
Miscellaneous	2,535 00
	$107,712 50

PATTERSON PARK.

Disbursements—Year ending December 31, 1894.

Pay roll	$27,423 52
Stove and iron work	917 48
Plumbing	404 24
Tools and hardware	110 53
Repairs to park machinery	82 50
Fuel	705 75
Food for work animals	398 79
Horseshoeing	61 75
Fertilizers	85 50
Drain-pipe	80 12
Repairs to wagons, carts, etc	84 67
Office expenses	78 37
Gas lighting	192 25
Masonry	42 25
Paints and painting	512 87
Stone, bricks, etc	3,174 84
Electric lighting	1,833 30
Rubber goods	38 27
Trees, shrubs and plants	292 20
Lumber	863 08
Gate-houses	427 80
Cement	293 15
Casino	1,637 50
Miscellaneous	984 30
	$40,725 03

CARROLL PARK.

Disbursements—Year ending December 31, 1894.

Pay roll	$10,381 68
Trees and plants	967 81
Fertilizers	525 63
Repairing harness	11 75
Tools, implements and hardware	331 75
Paints and painting	278 71
Plumbing	123 14
Flower pots	68 58
Bricks	678 87
Masonry	20 00
Cement	119 10
Lumber	1,030 14
Horse feed	223 96
Coal	121 00
Carpentry	84 72
Roofing	402 54
Drain-pipe	64 55
Castings	56 90
Awnings	20 25
Sod	250 00
Miscellaneous	33 75
	$15,794 83

RIVERSIDE PARK.

Disbursements—Year ending December 31, 1894.

Pay roll	$3,691 68
Ice	48 30
Horseshoeing	35 25
Horse feed	253 52
Coal	15 50
Bricks	85 00
Plumbing	116 22
Fertilizers	100 00
Repairing wagons and harness	24 50
Cement	62 05
Tools and implements	119 27
Paints and painting	155 50
Plants	11 50
Sand	26 25
Lumber	57 70
Repairing roofing	8 80
	$4,811 04

FEDERAL HILL PARK.

Disbursements—Year ending December 31, 1894.

Pay roll	$2,228 76
Ice	48 25
Drinking fountain	260 00
Lumber	324 08
Bricks and asphalt blocks	129 60
Coal	6 50
Plumbing	95 08
Tools and implements	68 98
Fertilizers	65 00
Cement	64 50
Paints	1 80
Plants	2 35
Castings	9 75
	$3,304 65

COLLINGTON SQUARE.

Disbursements—Year ending December 31, 1894.

Pay roll	$541 95
Lumber	15 96
Coal	6 75
Plants	31 65
Top soil	74 90
Rubber hose	1 00
	$672 21

JOHNSTON SQUARE.

Disbursements—Year ending December 31, 1894.

Pay roll	$1,504 94
Fertilizers	56 30
Lumber	36 07
Coal	14 75
Plants	133 35
Tools and implements	49 04
Bricks	30 00
Paints and painting	120 95
Sand	4 70
Rubber hose	51 00
Cement	47 80
Lamp posts	144 40
Plumbing	13 55
Carpentry	32 48
	$2,239 33

MOUNT ROYAL TERRACES.

Disbursements—Year ending December 31, 1894.

Pay roll	$1,979 12
Fertilizers	121 10
Plants	207 56
Lumber	13 15
Paints and oils	6 73
Resetting steps	96 00
Rubber hose	6 50
Plumbing	24 26
Tools and implements	28 12
Cement	13 80
Bricklaying	256 38
Sand	4 20
Stone	180 84
Coal	3 15
	$2,940 91

PATTERSON PARK EXTENSION.

Statement— Year ending December 31, 1894.

Balance due Park Board, January 1, 1894		$594 43
Lumber	$ 4 48	
Coal	6 25	
Trees, shrubs, etc	44 55	
		55 28
Balance		$539 15

CARROLL PARK.

Condemnation of Land—Paid from Surplus Sinking Fund.

James McEvoy	$19,907 50
Sophia C. Snowden	6,885 17
Helena B. Van Ness	5,238 75
J. Carroll Sargent	1,945 89
Achsah C. Frick	3,891 79
Thomas B. Sargent	1,945 90
Condemnation expenses	1,145 69
Advertising	84 72
	$41,045 41

LIBERTY-STREET TRIANGLE.

Year ending December 31, 1894.

Appropriation		$200 00
Bricklaying	$103 16	
Sodding	23 28	
Plumbing	17 96	
Plants	15 00	
Rubber hose	7 50	
Fencing	15 37	
Tools	3 00	
		$185 27
Balance		$14 73

GENERAL STATEMENT.

Receipts—Year ending December 31, 1894.

Balance due Park Board January 1, 1894	$2,378 16
Baltimore City Passenger Railway Company	84,840 68
Baltimore Traction Company	65,898 86
City and Suburban Railway Company	39,820 82
Central Railway Company	17,472 70
Lake Roland Elevated Railway Company	13,425 93
Sale of wood, Druid Hill Park	173 00
Sale of sheep, Druid Hill Park	137 00
Fines, Druid Hill Park	35 00
Rent of stone dwelling, Druid Hill Park	400 02
Rent of Mansion, Druid Hill Park	1,600 00
Privilege of fish propagation in Druil Hill Park	250 00
Privilege of swings, Druid Hill Park	50 00
Sale of wool, Druid Hill Park	78 15
Boating privilege, Druid Hill Park	100 00
Rent of Casino and boating privilege, Patterson Park	450 00
Gas consumed at Casino, Patterson Park	52 32
Fines, Patterson Park	15 00
Royalty on brick clay, Carroll Park	762 00
Amount carried forward	$227,939 64

Amount brought forward	$227,939 64
Fine, Riverside Park	5 00
Rent of observatory, Federal Hill Park	200 00
Rent of saloon, Federal Hill Park	20 00
Sale of old material, Federal Hill Park	2 50
Erecting fence, Liberty-Street Triangle	15 37
	$228,182 51

Disbursements—Year ending December 31, 1894.

Interest on Patterson Park Extension Loan	$ 8,000 00
Druid Hill Park	107,712 50
Patterson Park	40,725 03
Carroll Park	15,794 83
Riverside Park	4,811 04
Federal Hill Park	3,304 65
Collington Square	672 21
Johnston Square	2,239 33
Mount Royal Terraces	2,940 91
Ashland Square	129 67
Broadway Squares, first division	1,999 93
" " second division	1,799 95
" " third division	3,000 00
Eastern Fountain	1,485 10
Amount carried forward	$194,615 15

Amount brought forward	$194,615 15
Eutaw Squares, first division	1,800 00
" " second division	2,000 00
Franklin Square	1,500 00
Fulton Avenue Squares and Baker Circle	3,497 00
Harlem Park	3,996 94
Jackson Squares	1,189 51
Lafayette Square	1,944 99
Madison Square	2,663 48
Mount Royal Squares	2,984 38
Mount Vernon Squares	1,600 00
Park Place Squares	607 85
Perkins Spring Square	1,800 00
Taney Place Squares	298 58
Union Square	1,729 86
Wilkins Avenue Squares	2,464 07
Balance	3,490 70
	$228,182 51

Respectfully submitted,

D. RAYHICE, *Treasurer.*

ANNUAL REPORT

— OF THE —

Health Department

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31, 1894.

OFFICERS AND EMPLOYEES

—OF THE—

BOARD OF HEALTH OF THE CITY AND PORT OF BALTIMORE

FOR THE YEAR 1894.

HON. FERDINAND C. LATROBE, Mayor,
Member ex-officio.
JAMES F. McSHANE, M.D.,
President, Commissioner of Health and Registrar.
HIRAM L. SPICER, M.D.,
Assistant Commissioner of Health.
V. BURGESS HINES,
Secretary of the Board of Health.
GEORGE C. VANSANT,
Assistant Secretary of the Board of Health.
SIDNEY O. HEISKELL, M.D.,
Resident Physician at the Quarantine Hospital of the Port of Baltimore.
JAMES D. STIDHAM, *Inspector of Plumbing.*
DENNIS HEALY, *Inspector of Drains.*
MICHAEL A. MALONEY, *Permit Clerk.*
HARRY C. ANDREWS, *Nuisance Clerk.*
JAMES E. HUBBERT, *Clerk to Registrar.*
JAMES E. KING, *Recorder of Births.*
MONTGOMERY LAWRENCE,
Assistant Permit and Assistant Registrar's Clerk.

Sanitary Inspectors:

JOSEPH V. FITZPATRICK, HENRY M. McKEWEN,
CHRISTOPHER C. LEONARD, JOHN LONG,
JOHN M. DeGOEY, GEORGE N. LEWIS,
AUGUST W. LINDENSTRUTH.
ERNEST TSCHUDY, *Detective.* SAMUEL RUSSELL, *Messenger.*
WM. H. MURPHY, *Keeper of the Morgue.* D. H. CARR, *Disinfector.*

Superintendents of Sewers:

HENRY PAFF, *Eastern Dist.* MARK F. GORMAN, *Western Dist.*

Superintendents of Public Cemeteries:

GEORGE RINEHART, *Eastern.* GEORGE E. BROWN, *Western.*

Superintendents of Night Soil Dumps:

JAMES QUINN, *of No.* 1, *Foley's Wharf.*
CHARLES F. RINGGOLD, *of No.* 2, *Winan's Wharf.*
FRANK KELLY, *Assistant of No.* 2, *Winan's Wharf.*

Food Inspection.

WILLIAM P. TONRY, *Chemist.*
GEORGE A. VERNETSON, *Clerk.*
PATRICK R. WELSH, WILLIAM G. V. HULL,
JOHN H. SCHAEFER, *Inspectors.*

CITY ANNEX.

Sanitory Inspectors:

D S. WILLIAMS, M.D., GEO. W. PHILLIPS, *Twenty-first Ward.*
R. E. L. HALL, M.D., B. FRANK KNIGHT, *Twenty-second Ward.*

VACCINE PHYSICIANS.

First Ward:
WM. H. SCHWATKA, M.D., 2429 Lancaster street.

Second Ward:
N. L. DASHIELL, JR., M.D., 700 South Broadway.

Third Ward:
WM. H. JOHNSON, M.D., 1916 East Pratt street.

Fourth Ward:
C. F. MAGUIRE, M.D., 4 South Exeter street.

Fifth Ward:
ARTHUR WEGEFARTH, M.D., 805 Aisquith street.

Sixth Ward:
F. A. SAUER, M.D., 439 North Central avenue.

Seventh Ward:
G. H. CHABOT, M.D., 1111 East Preston street.

Eighth Ward:
HENRY F. CASSIDY, M.D., 702 Greenmount avenue.

Ninth Ward:
WILBUR C. CURRY, M.D., 812 North Calvert street.

Tenth Ward:
AUGUST HORN, M.D., 697 West Mulberry street.

Eleventh Ward:
J. A. GILLISS, M.D., 437 West Biddle street.

Twelfth Ward:
T. P. McCORMICK, M.D., 1421 Eutaw Place.

Thirteenth Ward:
WM. WOLF, M.D., 658 West German street.

Fourteenth Ward:
J. C. WUNDER, M.D., 1075 West Fayette street.

Fifteenth Ward:
WM. B. BURCH, M.D., 509 Hanover street.

Sixteenth Ward:
JOSEPH BLUM, M.D., 641 Columbia avenue.

Seventeenth Ward:
HENRY STARK, M.D., 1110 Hanover street.

Eighteenth Ward:
HARRY BOYD, M.D., 677 Columbia avenue.

Nineteenth Ward:
JOHN W. LINTHICUM, M.D., 1327 West Fayette street.

Twentieth Ward:
PAUL F. DEFORD, M.D., 1530 Harlem avenue.

Twenty-first Ward:
MORRIS SHANKS, M.D., corner Parkdale and Woodberry avenues.

Twenty-second Ward:
H. G. PRENTISS, M.D., 809 Gorsuch avenue.

REPORT

—OF THE—

COMMISSIONER OF HEALTH.

REPORT.

BALTIMORE, January 2, 1895.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

I have the honor to submit herewith the report of the Health Department for the year ending December 31, 1894.

The total mortality for the year is 9,486, of which number 7,242 were white persons and 2,244 colored. As shown by the following table, a marked decrease is exhibited in comparison with the five preceding years, notwithstanding a decided increase in population. The death rate for the year is 20.84 per thousand for the whole population, the death rate for the whites being 18.85 and the colored 31.60. If the death rate per thousand was computed as in other cities, upon an estimated population, instead of the police census of 1890, it would show a rate of only 19.04 per thousand for the whole population.

Comparison of Mortality for Past Five Years.

Year.	White.	Colored.	Total.	Ratio per 1,000.
1890.....	8,057	2,141	10,198	22.41
1891.....	7,838	2,235	10,073	22.13
1892.....	8,361	2,221	10,582	21.77
1893.....	7,370	2,184	9,554	20.99
1894.....	7,242	2,244	9,486	20.84

The ratio of deaths of children under five years of age to the total mortality was 39.64 per cent. There were 1,085 deaths of persons above 70 years of age, showing a large number of aged decedents.

BIRTHS.

The total number of births reported during the year was 9,383, of which 8,030 were white and 1,353 colored.

Table showing the number of cases reported, and mortality from principal Zymotic Diseases during the year 1894 compared with 1893.

Diseases.	Cases Reported in 1894.	Deaths Reported in 1894.	Cases Reported in 1893.	Deaths Reported in 1893.	Increase as Compared with 1893.		Decrease as Compared with 1893.	
					Cases.	Deaths.	Cases.	Deaths.
Diptheria	267	198	252	185	15	13		
Scarlet fever	999	85	406	36	593	49		
Croup	142	33	94	24	48	9		
Measles	98	3	1043	39			945	36
Small-pox	18		5		13			
Whooping cough	320	112	129	60	191	52		
Varicella	53	1	23	1	30			
Mumps	80	1	100			1	20	
Typhoid fever		222		224				2
Consumption		1106		1099		9		
Pneumonia		790		824				34
Cholera infantum		440		444				4
Yellow fever								

Small-pox was introduced into the city in May last by a colored member of a theatrical company, whose case was concealed from the Department and treated by the woman with whom he boarded as a case of measles, and it was not discovered until a second case in a female member of the same company, living in a boarding-house nearby, was stricken with the disease, and calling in a physician who reported the case. A thorough investigation was made and a number of cases were found in the same locality in persons who had visited these cases. The patients were all sent to the Quarantine Hospital, the bedding and clothing destroyed, and the premises fumigated and disinfected. Vaccination was strictly enforced, and I am pleased to state that notwithstanding the disease had every opportunity to extend from the careless and ignorant manner in which the first case was treated, the measures adopted arrested its further spread. The work of the Vaccine Physician is shown in detail in Table G.

Diphtheria.—This disease continues to show a very great mortality in spite of the numerous remedies (general and local) which have been employed in its treatment, and any improved method introduced which will reduce the death rate is most welcome. Since the isolation of the specific Bacillus of Diphtheria by Loeffler, in 1894, Bacteriologists, and particularly Behring, Kitasato and Roux, by continued observations and confirming the results of their investigations by experiments,

discovered the principle of the application of serum in the treatment of this dread disease. As a rule, in Diphtheria death is produced by the absorption of a poisonous substance (a toxin) produced by the Diphtheria Bacillus. Animals inoculated from cultures derived from the Diphtheria Bacillus become gradually tolerant to its poisonous action, and this immunity is the result of the development in the blood of antitoxin. Blood drawn from animals thus immunized and employed by hypodermatic injection in the treatment of cases of Diphtheria in the human being neutralizes the toxin absorbed into the circulation. It is possible by this method to protect not only the infected individual, but also those who may have been exposed to the infection. Public interest has been aroused from the published statements in the press, both medical and lay, as to the value of this anti-diphtheritic serum and its application as a preventative and curative agent. In Germany, Dr. Behring and his assistants have tried this remedy on 220 children suffering with Diphtheria, with the result of effecting 168 cures and only 52 deaths, or a mortality of only 30.95 per cent. The result of this treatment by Dr. Roux and assistants, in the hospital for children's diseases of Paris, in 448 cases treated 339 were cured, 109 died, a death rate of 24.33 per cent., whereas the death rate in this same institution was 51.09 per cent. for the four preceding years. In all these cases the diagnosis was made Bacteriologically in order to

obtain satisfactory results and prevent any mistakes as to identity. Great satisfaction is expressed by medical men who have tried this treatment, and in many of the cities of Germany and France laboratories have been instituted for supplying this antitoxin to members of the medical profession. This example is being followed by a number of American cities. New York city has appropriated to the Health Department thirty thousand dollars for the establishment of a plant. The *New York Herald* has also started a popular subscription fund to be placed under direction of the Health Department to aid the purpose. Boston, Chicago, St. Louis and Pittsburg are also engaged in making arrangements for the preparation of antitoxin.

As Diphtheria carries off fully 65 per cent. of those attacked, it becomes the duty of every municipality to look deeply into this question, and if the results continue as excellent as those quoted above, provision should be made to supply properly prepared serum in the same manner as vaccine virus is furnished for the protection of the community against Small-pox. In order to keep pace with the rapid growth that is constantly being made in the matter of correctly diagnosing the different varieties of zymotic diseases, it is absolutely necessary that means should be provided for organizing and conducting a Bacteriological laboratory. This is a necessary adjunct to a properly equipped health department.

Consumption.—As usual, Consumption heads the list, this disease claiming 1,106 victims, or a little over one-eighth of the total mortality from all causes. Some means should be adopted in the light of modern scientific research to control and restrict this great scourge of humanity. That this disease is communicable and to some extent preventable by the use of proper measures is an undeniable fact, and means should be provided for imparting to the patient and family the necessary information as to its communicability and the simple precautions to be adopted to prevent its spread. A more thorough knowledge of the cause of this disease, and that its extension can be controlled by simple means, will serve in time to check its advances.

Yellow Fever.—This disease was introduced into the city in September last by the crew of the British steamship *Samuel Tyzack* from Havana. The day after the arrival of the steamship one of the crew was taken sick. He was seen by a physician, who advised sending him to a hospital. This was done, the individual dying the day following. Two other members of the crew were taken sick on the third day after arrival and sent to same hospital. These patients, exhibiting the same symptoms as the first one sent to the institution, a more careful inquiry was made into the circumstances surrounding the cases, and the authorities' suspicions being aroused, the Health Department was notified. After a

personal examination of the cases, and being satisfied with the character of the disease, the patients were removed from this institution to the Quarantine Hospital. The steamship was removed to the Quarantine Station for detention and purification. Every possible precaution was taken and no further trouble developed.

HOSPITAL FOR INFECTIOUS DISEASES.

Whilst Baltimore is amply provided with hospitals for the accommodation of those who are suffering from the non-infectious disorders, we are unfortunate in not having an institution in which patients afflicted with diphtheria, scarlet fever or measles can be placed. It is extremely essential that something should be done as early as possible to provide proper hospital facilities for those thus afflicted. The lack of any means to care for persons sick with these diseases in unfavorable home surroundings, boarding houses and hotels has been frequently and forcibly brought to the attention of this Department during the past year.

PUBLIC DISINFECTION.

This Department is also inadequately equipped for effective service by being unsupplied with a disinfecting plant for the sterilization of bedding, carpets, wearing apparel, etc., from houses in which infectious diseases have existed. Such a structure can be erected at a moderate expense, and it is earnestly hoped that provision will be made for its construction.

There exists a great necessity for an ambulance for the transportation of persons suffering with infectious diseases. The vehicles used at present are unsuited in every way.

DISPOSAL OF GARBAGE.

Considerable discussion has been indulged in the question of the collection and disposal of the city's garbage with regard to the public health. The present mode of collection and disposal is decidedly insanitary and should give way to better and more scientific methods. I would urge upon you the importance of giving this matter your earnest consideration, and adopt some feasible plan of removal and disposal of garbage by dessication or incineration.

SEWERAGE.

The question of house sewerage is becoming more vitally important year by year. In many sections of the city the pollution of the soil has become a very serious question, and it is greatly to be desired that the present abominable privy, well or pit be abolished. Much of the soil is of no use in purifying or filtering the seepage or leachings from these pits, as it holds water like a sponge, and refuses to aid in its removal. Water is also reached at very shallow depths, and these wells in a short time become comparatively useless. In some places where sand is found, it hardens up after a short time, and the privy-well thus constructed becomes

water-tight and of no use in absorbing the excess of watery matter, and after every rainfall trouble is sure to arise. Many old privy-wells have to be constantly pumped out, and, in many instances, their liquid contents frequently overflow the surface, or percolate into cellars, basements and areas, polluting the atmosphere and soil, and are dangerous to the public health. It is to be hoped that the Sewerage Commission will soon decide upon a plan whereby this constant menace to the public will be abolished. The more rapidly this work is pushed and the work of construction commenced and completed, the sooner will Baltimore be able to reap the benefits accruing from a proper system of sewerage.

FOOD INSPECTION.

By an Act of the Legislature, approved May 7, 1894, the Mayor and City Council were permitted to pass ordinances regulating the inspection of milk and all other food products. The importance to the community of the passage of this act cannot be overestimated, and it is a matter of great gratification to state that the Mayor and City Council did not long delay in enacting the necessary ordinances regulating this particular branch of the service. Under the provisions of this ordinance the work of food inspection began on the first day of June with a chemist and three inspectors. Two of the inspectors were assigned to the examination of milk and one to the examination of meats, etc. The re-

port of the chemist gives in detail the work performed, and the results of seven months' work have been quite satisfactory. During this period the milk inspectors visited the various railroad depots, dairies, stores, lunch rooms, etc., and condemned and spilled 6,629 gallons of milk which did not meet the requirements. I regret to state that no provision was or has been made to fit up a laboratory in which the necessary analysis for the proper conduct of the work should be made. Something must be done as early as practicable to remedy this want.

The Inspector of Meats, etc., made 3,486 visits to provision stores, markets and slaughter houses and condemned and had removed 67,322 pounds of various meats, 1,449 pounds of poultry and a large amount of game, fruits, etc. In addition to this work, the chemist and inspectors visited and inspected ninety-seven cow stables situated within the city. The results of the inspections have been to find the majority of stables in which cows are housed to be low, poorly constructed stables or sheds, with stables too narrow to properly accommodate the animals, little or no ventilation, and the atmosphere vitiated with the foul emanations and exhalations of the cattle. Milk produced under these circumstances is unfit for food, and its sale should be prohibited. It is a well-known fact that in order to produce good, pure and healthy milk the greatest possible

care must be taken; only good food should be used with good pasturing in season; stables should be large and well ventilated and kept in a clean and healthy condition; the cows should be groomed at least once a day, and all utensils used in milking and the sale of milk should be scrupulously clean. The condition in which these stables were found demands the enactment of a law which will place all such bnildings under the direct supervision of this Department, and particularly as to their location, construction and general sanitary arrangements. Since the food inspection ordinance went into effect nineteen arrests for violation of its provisions were made. Eleven of the parties arrested settled their cases before the police justices by the payment of fines; eight prayed jury trials and have since been presented by the Grand Jury for violations. Shortly after the law was put in operation, considerable opposition was developed on the part of a number of milkmen, and an organization was formed by them to contest its constitutionality. The case was instituted in the name of one of their number, and the following excerpts from briefs and decisions of courts is given:

John W. Deems *vs.* Mayor and City Council of Baltimore et al.

The complainant, Deems, who delivered milk from a wagon in Baltimore city, had the milk (3 gallons) in

his wagon driven by Caroline Deems examined by Welsh, inspector, on July 11, 1894. The milk showed 97 by the lactometer at 60° F. and was spilled by order of the inspector. The chemist, Prof. Tonry, was present, but no other test except the reaction by litmus paper was made. Deems, therefore, by his solicitor, Thomas C. Weeks, prays for an injunction to restrain the Mayor and City Council of Baltimore, the Health Department, the Food Inspectors and the chemist from interfering with or spilling his milk without due process of law, and after a chemical and microscopical examination of the milk.

Claimant, by his solicitor, avers that to spill his milk without having had a trial is not due process of law; that the lactometer test is not a good and sufficient test to determine the quality of the milk; that Ordinance No. 87 is unconstitutional, because the fine is not put at $100, when the enabling act passed by the Legislature of 1894 says the fine shall be not more than $100; that Ordinance No. 130, which amends Ordinance No. 87 is unconstitutional because the enabling act gives authority to the city to inspect and regulate the sale of milk, and spilling is not such inspection and regulation; that the Health Department cannot exercise such police powers as would enable it to lawfully destroy his milk, except in case of sudden or unusual epidemic or emergency, and that the Legislature and

not the city should have fixed the standard for milk, for which reasons he prays for an injunction to issue.

The city by its solicitor, W. Shepard Bryan, demurs, and answers: That the lactometer is a good and sufficient instrument to determine the specific gravity of milk, and that it is used for that purpose in different cities, and that the same instrument, under a different name, is used by acid, alkali, syrup and other makers, and by the United States government to determine the specific gravity of liquors; that the city fixes the standard of milk by authority which it has received from the Legislature, and from the necessity imposed upon the city of fixing a standard before it can inspect; that the office of the Inspector is ministerial, not judicial, they simply noting a fact shown by a certain test, and that they have no option, but to act on the showing made by the lactometer; that the milk that does not come up to the standard prescribed by law is condemned by law, and is unfit for use, and cannot be used for food of man and beast or for any purpose whatsoever; that there is no guarantee but spilling that the condemned milk will not be used to the detriment of the public health; that spilling the condemned milk is a legitimate and proper exercise of police powers which the Health Department may properly exercise to protect the general health.

Argument was heard in the case on August 15, 1894, by Judge Harlan, in Circuit Court No. 2. The demurrer of the city was sustained, and the injunction asked for was refused. The complainant appealed from the decision of Judge Harlan and took the case to the Court of Appeals. On December 18, 1894, the Court of Appeals affirmed the decree of Judge Harlan after argument before Chief Judge Robinson and Judges McSherry, Fowler, Page and Roberts; Chief Judge Robinson delivering the opinion, of which the following is a synopsis:

That a court of equity has jurisdiction to restrain the appellee in the enjoyment of the ordinance in question. That there can be no question as to the power of the appellee to provide by ordinance for the inspection of milk offered for sale within its corporate limits and to forfeit the sale of any milk which does not come up to the standard or test prescribed by the ordinance. That every well organized government has the inherent right to protect the health and provide for the safety and welfare of its people. It has not only the right, but it is a duty and obligation which the sovereign power owes to the public. That the private rights relied on by the appellant have never been understood as interfering with the power of the State to pass such laws as may be necessary to protect the health and provide for the safety and good order of

society. That if the question as to whether or not the milk comes up to the prescribed standard must be determined by the ordinary process of judicial investigation or by chemical analysis, it would be impossible to prevent the danger to the public health necessarily resulting from impure and unwholesome milk. And it is absolutely necessary, therefore, that the appellee should have the power to provide for its inspection by proper means and instruments, and if upon such inspection it shall be found not to come up to the standard prescribed by the ordinance, to direct that the offending thing be destroyed. That there can be no objection to the Ordinance (No. 87) on this ground that the fine was made not more than $50, when the enabling act of the Legislature gave authority to the city to make it not more than $100.

INSPECTION OF PLUMBING.

The report of the Inspector of Plumbing shows an increased amount of work performed.

THE MORGUE.

The following report of the Keeper shows the number of bodies cared for and the disposition made of them.

Males, 140; females, 23. White, 127; colored, 36.
Buried by relatives or friends.. 81

Buried by the city 80
Number of bodies identified 140
Number of bodies unidentified 23
Number of post-mortems 18
Number of bodies remaining in Morgue December 31, 1894 2
Total number of bodies received from March 11, 1891 (date of opening), to December 31, 1894 497

REPORT OF THE MEDICAL EXAMINERS.

The report shows that seventy-three post-mortems were made during the year.

REMOVAL OF FILTH, ETC., FROM DOCKS.

I would again most respectfully urge that this work be taken out of this department and placed under the supervision of the Harbor Board.

REPORT OF THE ASSISTANT COMMISSIONER OF HEALTH.

The report of Dr. H. L. Spicer, Assistant Commissioner of Health, shows in detail the work performed by the respective divisions of this department.

The following estimates for the expenses of the Health Department for the year 1895 have been carefully made up, and are necessary for the proper conduct of business:

Salaries	$44,800 00
General health	20,000 00
Nuisances and sewers	16,000 00
Post-mortems	1,500 00
Quarantine Hospital	20,000 00
Removing filth from docks	5,000 00
Removal of canning-house refuse	5,000 00
	$112,300 00

CITY ANNEX.

Salaries	$3,800 00
Nuisances and sewers	3,000 00
	$6,800 00

In conclusion permit me to return thanks to your Honor and the members of the City Council and the general public for the support given this department during the past year. Thanks are also due the members of the medical profession for kindly co-operation.

The activity and faithfulness displayed by the officers and employees of this department in the performance of the duties assigned them is worthy of commendation.

The department is also indebted to the press and to the Police Department for assistance in its work.

Respectfully,

Your obedient servant,

JAMES F. McSHANE, M.D.,

Commissioner of Health.

TABLES.

TABLE A.

Prosecutions for Violation of Food Inspection Ordinance.

Name of Offender.	Place of Business or Residence.	No. of Sample	Character of Sample	Charge Made by	Date of Appearance at Station House	Disposal of Case.
John Zinkand	Rosedale, Balto. Co.	48	Watered milk	Hull, Inspector	June 25, '94.	Fined $20 and costs.
Sebastian Smith	8th and Lombard sts.	56	Skimmed milk	Welsh, "	" 28, '94.	Taken to court.
J. A. Nieberlein	1st ave. and 15th st.	60	Watered "	" "	" 29, '94.	Fined $20 and costs.
Ambrose Winterling	Highlandtown	78	" "	" "	July 11, '94.	Taken to court.
Henry Geries	930 Bolton street	79	" "	" "	" 11, '94.	" "
G. P. Bender	509 N. Pine street	105	Watered skim milk.	Hull, "	Aug. 1, '94.	Fined $20 and costs.
Frank Cairns	1616 Oliver street	146	Skimmed milk.	" "	" 22, '94.	" $20 "
Valentine Noah	Hudson and Hare sts.	160	" "	Welsh, "	" 27, '94.	Taken to court.
Howard Blight	1518 Washington st.	169	Watered "	Hull, "	Sept. 8, '94.	Fined $25 and costs.
William Kelly	Jackson and Taylor sts	182	Watered skim milk.	" "	" 8, '94.	" $25 "
John R. Hoover	208 E. Baltimore st.	174	Skimmed milk.	Chemist	" 10, '94.	Taken to court.
P. J. Bennett	705 Saratoga street	177	" "	"	" 10, '94.	" "
J. S. Dunlap	1721 E. Pratt street	205	Watered "	Welsh, Inspector	" 28, '94.	Fined $20 and costs.
Mrs. F. Martens	Mt. Carmel road	210	" "	" "	Oct. 2, '94.	" $20 "
M. Ember	Lombard & Front sts.	231	" "	" "	" 8, '94.	" $20 "
Valentine Noah	Hudson and Hare sts.	291	" "	" "	Nov. 16, '94.	Taken to court.
T. C. Buck	North & Lexington sts	304	Skimmed "	Hull, "	Dec. 12, '94.	Fined $20 and costs.
R. H. Breeback	1012 Hopkins avenue.	310	Watered "	Welsh, "	" 21, '94.	Taken to court.
George W. Lester	Hanover Market		Tainted poultry	Schaefer, "	" 26, '94.	Fined $20 and costs.

VITAL STATISTICS OF THE CITY OF BALTIMORE

For the Year 1894.

Population by Police Census, whites				384,394
" " " colored				71,033
Total				455,427
Marriages 4,395. Rate per 1,000 of population				9,651
Births (reported) white males	4,128			
" " " females	3,902			
Total white		8,030		
Births (reported) colored males	691			
" " " females	662			
Total colored		1,353		
Total males			4,819	
" females			4,564	
Grand total				9,383
Birth rate per 1,000, white population				20.90
" " " colored "				19.05
" " " whole "				20.62
Still births, 721.				
Total mortality, native white males			2,888	
" " " " females			2,762	
Total			5,650	
Total mortality foreign white males		843		
" " " " females		749		
Total		1,592		
Total mortality colored males			1,087	
" " " females			1,157	
Total			2,244	
Total males				4,818
" females				4,668
				9,486

Annual death rate per 1,000, white population	18.85
" " " colored "	31.60
" " " whole "	20.84

Total number of deaths from Measles	3
" " " Scarlet fever	85
" " " Diphtheria	198
" " " Croup	33
" " " Whooping cough	112
" " " Typhoid fever	222
" " " Typho-malarial fever	35
" " " Diarrhœa	144
" " " Dysentery	72
" " " Cholera infantum	440
" " " Cholera morbus	18
" " " Consumption	1,106
" " " Pneumonia	790
" " " Bronchitis	90
" " " Influenza	132
" " " Bright's disease	226
" " " Cancer	264
" " " Disease of heart	438
" " " Sunstroke	12
" " " Pernicious anæmia	7
" " " Appendicitis	22
" " " Illuminating gas	10
" " " Accidents	109
" " " Cerebro spinal fever	26

TOTAL NUMBER OF DEATHS FROM ABNORMAL CONDITIONS CONNECTED WITH PARTURITION.

Puerperal fever	9
" convulsions	14
" peritonitis	11
" septicæmia	20

Child-birth	20
Abortion	2
Hemorrhage of post partum	4
" placenta prævia	2
Total mortality under five years of age	3,761
Percentage to total mortality	39.64
Total mortality from diarrhœal diseases under five years	793
Total all ages from diarrhœal diseases	1,037

DEATHS IN PUBLIC INSTITUTIONS.

Baltimore City Jail	2	
Penitentiary	15	
Hospitals and asylums	976	
Total	993	
Deaths reported by coroners, including inquests		770
Total autopsies		73
Bodies received at City Morgue		163

V. BURGESS HINES,
Secretary Board of Health.

TABLE B.

Showing Number of Dwellings, Population, Total Number of Deaths and Death Rate per 1,000 in Each Ward for Year 1894.

Wards.	Dwellings.	Population.	Total Deaths.	Death Rate per 1,000 in Each Ward and Total Population.
First	5,813	24,997	484	19.36
Second	2,511	16,589	394	24.50
Third	2,770	17,285	359	22.11
Fourth	2,821	16,501	298	18.62
Fifth	2,864	17,533	318	18.11
Sixth	7,111	30,673	781	26.03
Seventh	8,017	30,985	536	17.20
Eighth	6,318	26,465	466	17.92
Ninth	2,154	18,541	514	28.00
Tenth	2,654	17,773	306	18.00
Eleventh	3,821	23,321	415	18.04
Twelfth	7,173	26,815	532	20.45
Thirteenth	2,571	16,601	291	18.18
Fourteenth	3,402	19,095	465	24.47
Fifteenth	2,392	17,059	309	18.17
Sixteenth	2,533	16,224	158	9.87
Seventeenth	5,869	27,816	547	20.25
Eighteenth	6,796	29,474	589	20.31
Nineteenth	5,661	28,280	529	18.89
Twentieth	4,871	24,635	397	16.54
Twenty-first	4,912	20,426	287	14.35
Twenty-second	6,953	29,227	511	17.62
	99,987	496,315	9,486	19.12

V. BURGESS HINES,

Secretary Board of Health.

TABLE C.

Deaths from Zymotic Diseases, Consumption and Pneumonia, in each Ward, for Year Ending December 31, 1894.

Zymotic Diseases.	Wards.																					Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
Croup	4	6	3	..	..	3	1	3	..	..	2	..	1	1	..	..	2	2	1	1	3	...	33
Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Cholera infantum	25	41	15	12	8	30	13	12	7	19	12	17	7	17	27	9	44	41	26	21	12	25	440
Cholera morbus	2	1	1	..	1	1	2	2	..	..	..	1	..	..	..	..	1	2	..	1	..	3	18
Diptheria	15	6	4	8	5	12	12	10	3	3	4	4	3	9	6	3	21	26	10	9	14	11	198
Diarrhœa	6	29	6	10	5	2	4	3	3	3	7	4	..	17	6	3	3	10	7	5	4	7	144
Dysentery	4	...	4	..	3	5	2	4	4	2	3	4	2	..	4	1	13	5	5	4	1	2	72
Entero colitis	13	3	3	3	1	11	7	4	9	7	4	7	1	8	1	..	15	4	..	4	13	14	132
Erysipelas	2	1	2	1	1	4	1	..	..	2	..	2	1	1	1	..	..	..	1	..	..	2	22
Fever, cerebro spinal	4	1	1	..	..	4	..	..	1	..	2	1	..	1	..	1	3	5	..	..	1	1	26
" intermittent	...	1	..	..	1	1	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	5
" malarial	2	1	1	..	..	...	3	.	1	1	1	..	..	..	..	..	1	2	2	1	..	1	17
" puerperal	1	...	1	..	1	...	1	..	..	..	..	..	..	..	1	1	1	1	..	1	..	...	9
" remittent	1	1	..	2	2	2	..	..	..	1	1	..	..	..	..	2	4	1	..	..	1	1	19
" scarlet	5	...	3	5	3	9	8	6	2	3	...		2	4	..	1	6	13	4	1	3	7	85
" typhoid	16	2	3	3	7	18	18	18	9	14	9	11	8	7	7	2	15	16	9	5	6	19	222

Fever, typhus	...	...	..	..	..	...	..	..	..	..	..	..	..	..	..	..	...	...	..	..	..	...	....
" typho-malarial	6	6	2	1	..	3	..	..	..	..	1	2	..	..	2	1	1	1	3	5	1	...	35
Mumps	1	...	..	..	..	...	..	..	..	..	..	..	..	..	..	..	...	...	..	..	..	...	1
Measles	...	...	..	..	1	...	..	..	..	..	..	1	..	..	..	..	1	...	..	..	..	...	3
Pyœmia	...	1	..	..	..	...	..	1	..	1	..	1	..	1	..	..	...	...	1	..	1	...	7
Small-pox	...	...	..	..	..	...	..	..	..	..	..	..	..	..	..	..	...	...	..	..	..	...	....
Septicœmia	...	...	1	..	.	...	2	..	..	1	3	2	2	..	..	..	2	...	1	1	..	...	15
Tonsilitis	...	...	..	..	..	...	1	..	..	..	..	..	..	1	..	..	1	1	1	..	..	...	5
Varicella	...	...	..	..	..	...	..	..	..	..	..	..	1	..	..	..	...	...	..	..	..	...	1
Whooping cough	6	2	4	1	4	9	10	4	3	4	6	9	1	4	3	2	1	9	8	8	3	11	112
Total zymotic diseases	113	102	54	46	43	114	85	67	42	61	55	64	29	72	58	26	135	142	79	67	63	104	1621
Consumption	36	26	47	36	37	73	81	67	61	40	70	71	34	55	33	21	42	45	67	61	31	72	1106
Pneumonia	54	36	21	23	41	68	38	31	34	27	32	30	17	54	47	15	56	49	37	26	14	40	790

TABLE D.

Annual Report of Deaths from all Causes in the City of Baltimore for the Year 1894.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Abscess of Throat										1			1
" Liver	1							2		1	1		5
" Ovarian	1												1
" Oesophagus		1											1
" Ear		1									1		2
" Anus				1									1
" Chest				1									1
" Psoas					1						1		2
" Neck					2								2
" Brain					1	1				1			3
" Post Pharyngeal						1				1			2
" Breast						1							1
" Scalp						1	1						2
" Pelvic						1	1	2					4
" Prostatic							1				1		2
" Urethra							1						1

Abscess of Stomach	....	....	....	...	....	....	....	....	....	1	....	....	1
" Popliteal	....	....	....	....	....	....	....	....	....	1	....	....	1
" Renal	....	....	....	....	....	....	....	....	....	....	1	....	1
" Peritonal	....	....	....	....	....	....	....	....	....	....	....	1	1
" Leg	....	....	....	....	....	....	....	....	....	....	....	1	1
Anæmia Pernicious	1	....	1	....	1	....	1	1	...	....	2	....	7
Anæmia	....	1	1	....	....	....	2	1	....	1	2	....	8
Angina Pectoris	1	....	....	....	6	1	....	2	....	2	6	2	20
Apoplexy	23	20	20	27	20	19	22	16	10	23	18	22	240
Adynamia	1	....	1	....	....	....	1	....	....	....	....	....	3
Asphyxia	6	2	2	3	3	1	2	1	3	2	3	5	33
Asthma	4	2	7	6	5	5	1	2	3	4	3	6	48
Albuminuria	3	4	1	2	....	2	....	....	1	3	....	3	19
Asthenia	3	2	3	3	6	7	1	5	1	....	7	4	42
Atrophy	1	1	....	....	....	1	1	....	1	.. .	2	1	8
Atelectasis Pulmonum	2	....	3	....	1	1	3	1	2	1	2	4	20
Appendicitis	....	2	1	1	2	3	2	2	3	1	5	....	22
Aneurism of Aorta	....	1	2	2	1	....	1	....	....	1	....	1	9
Ascites	....	....	1	1	2	1	....	3	....	....	2	2	12
Abortion, Criminal	....	....	....	....	1	....	....	....	....	....	....	....	1
Addison's Disease	....	....	....	....	1	....	1	1	....	....	....	....	3
Abortion	....	....	....	....	....	....	1	....	1	....	....	....	2
Adenitis	....	....	....	....	....	....	....	....	1	....	....	....	1
Bright's Disease	21	16	22	26	19	18	10	14	19	21	19	21	226
Burns	3	3	1	6	3	1	4	1	4	2	3	6	37

TABLE D—Continued.

Cause of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Cancer of Stomach	2	3	9	6	7	9	5	5	6	4	6	2	64
" Rectum	2	....	....	....	....	1	....	...	1	1	1	.....	6
" Abdomen	1	....	....	....	....	....	1	...	....	....	....	....	2
" Liver	1	3	3	2	4	1	4	1	2	1	1	....	23
" Peritoneum	1	....	....	....	....	....	....	....	1	....	....	....	2
" Bladder	1	....	....	1	....	....	2	....	....	....	....	....	4
" Oesophagus	1	....	....	....	....	....	1	....	1	....	....	....	3
" Uterus	4	5	4	3	8	2	6	5	3	5	9	6	60
" Groin	1	....	....	....	....	....	....	.....	....	....	....	....	1
" Ovarian	2	....	....	....	....	2	1	1	....	....	....	....	6
" Cervix	1	....	....	....	....	....	1	....	....	1	1	....	4
" Tongue	1	....	....	....	....	....	....	....	....	1	....	....	2
" Neck	....	2	....	....	2	....	....	....	....	....	....	....	4
" Kidney	....	1	....	1	1	....	1	....	...	....	1	....	5
" Breast	....	6	3	2	4	4	2	2	6	6	5	5	45
" Diffused	....	....	1	....	2	....	....	1	....	....	....	....	4
" Face	....	....	1	1	....	1	....	1	....	....	....	....	4

Cancer of Palate	....	....	1	....	....	...	...	....	....	....	....	....	1
" Jaw	....	....	1	....	....	....	....	....	1	....	....	....	2
" Post-Peritoneal	....	....	....	1	....	....	....	....	....	....	....	....	1
" Bowels	....	...	....	....	1	....	....	....	.....	....	....	....	1
" Maxillary	....	....	....	....	....	1	1	....	....	....	....	....	2
" Mediastinum	....	....	....	....	....	1	1	....	....	....	....	....	2
" Scalp	....	....	....	....	....	1	....	....	....	....	....	....	1
" Axilla	....	....	...	....	....	....	2	...	....	....	....	....	2
" Pharynx	....	....	....	....	....	....	2	....	....	....	....	....	2
" Thigh	....	....	....	....	....	....	1	....	....	....	....	....	1
" Eye	....	....	....	....	....	....	1	....	....	....	....	....	1
" Spleen	....	....	....	....	....	....	1	....	....	1	....	....	2
" Nose,	....	....	....	....	....	....	1	....	....	....	....	....	1
" Brain	....	....	....	....	....	....	1	....	....	....	2	....	3
Capillary Bronchitis	20	18	9	6	5	4	2	2	4	6	7	7	90
Child Birth	2	1	2	1	....	3	....	3	1	4	....	3	20
Cirrhosis of Liver	1	1	3	3	5	5	5	....	2	2	1	4	32
Congestion of Brain	10	3	3	4	6	8	5	2	6	5	....	4	56
" Lungs	7	6	8	3	3	1	3	1	3	6	8	10	59
" Liver	....	....	....	....	....	....	....	....	....	1	....	....	1
Consumption of Lungs	112	105	91	79	93	97	86	80	62	93	107	101	1106
" Bowels	....	....	....	....	....	....	1	....	3	1	3	....	8
Convulsions	27	22	22	10	18	33	32	18	16	27	17	25	267
" Pueperal	1	....	1	1	....	1	1	3	2	1	2	1	14
Croup	5	1	2	7	1	....	1	1	....	5	6	4	33

TABLE D—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Calculus	1		1		1							1	4
Cyanosis	9	4	5	8	5	2	6	3	4	4	6	5	61
Caries of Spine		1		1									2
Chorea		1				1							2
Congestive Chill			2			1			1			1	5
Catarrh			1										1
Carbuncle				1	1			2					4
Cholera Infantum				3	8	151	168	70	30	10			440
" Morbus						3	10	4	1				18
Chlorosis						1							1
Colic						1				1			2
Cleft Palate							1						1
Cellulitis								1					1
Colic Hepatic									1				1
Cancer of Arm								1					1
" Mouth									1				1
" Lungs											1		1

Dentition	5	2	6	4	5	8	13	9	10	5	2	8	77
Diabetes	3	3	2	2	2	4	6	1	1	3	8	1	36
Diarrhœa	3	1	5	5	4	27	38	18	20	16	3	4	144
Diphtheria	15	16	13	8	6	5	6	20	11	19	37	42	198
Disease of Heart	36	25	37	44	39	36	41	30	30	42	34	44	438
" Spine	1												1
" Hip			1										1
Dropsy, General	3	2		2		3	4	3	3	2	4	1	27
" Cardiac	1	1		1	3		2	2		1	1		12
Drowned	5	2	8	3	5	14	15	6	2	3	1	2	66
Dysentery	1	2		4	3	13	13	12	10	9	4	1	72
Debility		1							1				2
Dyspepsia		1			1							1	3
Delirium Tremens			2	1	2	2		2					9
Epilepsy	1		3	2	3	1			1		1	3	15
Endocarditis	7	2		7	5	2	6	5	1	7	4	3	49
Exopthalmic Goitre	1				1					1			3
Erysipelas	1	3	2	3	1	1	1		2	2	2	4	22
Enterocolitis	1	1	1	4	7	38	34	18	13	8	4	3	132
Embolism	2		1				1			1			5
Eczema	1		1	1				1				1	5
Epistaxis		1		1	1	1							4
Exposure		2	2						1	2			7
Elephantiasis			1	1									2
Electric shock							1						1

TABLE D—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Exhaustion	....	....	....	....	...	....	1	....	....	...	....	....	1
Extra uterine Pregnancy	....	....	....	....	....	....	....	1	....	....	....	....	1
Extravasation of Urine	....	....	....	....	....	....	....	1	....	...	....	....	1
Excessive Vomiting	....	....	....	....	....	....	....	....	....	1	....	....	1
Fracture of Vertebræ	1	....	.. .	....	....	....	....	1	....	....	....	....	2
" Hip	1	....	....	....	....	....	....	....	....	...	....	....	1
" Skull	2	....	2	....	2	3	3	1	1	3	2	2	21
" Leg	1	....	....	....	....	....	....	....	....	....	....	....	1
" Femur	....	....	1	....	1	....	....	....	1	....	....	1	4
" Ribs	....	...	1	....	....	....	....	....	....	1	....	....	2
" Tibia	....	...	....	1	....	....	....	....	....	....	....	....	1
" Thigh	....	....	....	....	1	....	....	....	....	....	....	....	1
" Pelvis	....	....	....	....	....	....	....	....	3	....	....	....	3
Fistula in Ano	....	....	....	....	....	....	....	....	....	....	....	1	1
Fever, Malarial	3	....	1	1	1	1	....	4	2	1	1	2	17
" Puerperal	1	....	3	1	....	....	....	....	2	....	1	1	9
" Remittent	3	1	2	1	....	1	3	3	1	1	2	1	19

Fever, Scarlet	7	14	12	3	6	5	10	5	4	11	3	5	85
" Typhoid	12	8	6	14	14	8	18	39	28	31	21	23	222
" Typho-Malarial	4		1	2	4		5	4	3	6	3	3	35
" Intermittent		1			1		1		2				5
Gastrœnteritis	5	1	4	3	6	40	31	24	15	7	6	1	143
Gangrene Senile		1	2	1			3	1	1	4	1	1	15
" of Foot		1											1
" of Scrotum		1								1		1	3
Gall Stones						1							1
Hyperemesis	1												1
Hemorrhage of Navel	4	1		1			4			2	1		13
" Brain	6	5	4	4		3	5		3	4	6	6	46
" Lungs	1		4	1	3		2	1	1	1	3	1	18
" Stomach		1								1	1		3
" Post Partum		1			1		1				1		4
Hydrocephalus	1		1	2	2	3	4	1		2	2	1	19
Hydrophobia	1							1					2
Haematemesis	1												1
Hemorrhoids		1											1
Hernia Strangulated		1	1	2	2		1	3	1		1	2	14
Hemorrhage of Bowels		1			1	1				1			4
Hodgkin's Disease		1			1								2
Hysterectomy			1			2							3
Hernia Inguinal				1		1					1		3
Hemo'ge of Axillary Artery					1								1

TABLE D—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Hemorrhage of Rectum	....	....	....	....	....	1	....	....	....	....	....	....	1
" of Liver	....	....	....	....	....	....	....	....	1	....	....	....	1
Haemoptysis	....	....	....	....	....	1	...	....	....	1	1	....	3
Haemophilia.	....	....	....	....	....	....	....	1	....	....	....	....	1
Inanition.	12	15	8	9	23	24	26	19	13	21	14	14	198
Indigestion	2	1	3	6	2	2	....	1	1	1	5	5	29
Inflammation of Bladder	4	....	1	3	1	2	3	3	2	1	5	2	27
" Bowels	4	3	2	3	6	9	15	13	5	4	7	1	72
" Stomach	7	7	9	6	11	11	16	8	4	7	10	6	102
" Bronchi	34	23	28	23	19	20	14	10	8	19	19	22	239
" Kidneys	20	21	24	22	9	21	28	16	11	17	15	17	221
" Larynx	2	3	4	2	....	2	1	2	1	3	3	....	23
" Liver	1	2	1	....	....	2	2	3	2	3	2	1	19
" Pericardium.	2	7	1	2	3	3	....	....	1	1	2	2	24
" Peritonæum.	5	1	8	10	7	4	7	6	9	3	3	6	69
" Pleura	2	3	4	2	4	2	1	3	....	....	2	1	24
" Brain	....	3	3	5	1	4	5	2	2	3	4	2	34

Inflammation of Tonsils	....	....	....	....	1	....	....	....	1	2	1	....	5
Influenza	59	36	18	10	6	1	1	....	....	....	....	1	132
Intussusception	1	2	....	1	....	1	1	1	1	1	1	1	11
Insanity	....	1	....	1	....	....	....	....	....	2	1	....	5
Intemperance	....	....	3	....	1	....	2	....	1	1	1	5	14
Insolation	....	....	....	....	....	1	....	....	....	....	....	....	1
Iscuria	....	....	....	....	....	....	....	....	....	....	1	....	1
Jaundice	1	1	2	2	....	1	....	3	3	3	1	2	19
Laparotomy	1	2	....	1	3	3	1	....	....	....	1	....	12
Lupus	1	....	....	....	....	....	....	....	....	....	....	....	1
Leucæmia	....	....	....	....	....	....	....	....	....	....	....	1	1
Myeletis	1	....	....	2	2	....	....	1	....	....	....	2	8
Marasmus	13	5	18	11	22	37	36	54	42	31	17	13	299
Measles	1	....	....	....	....	....	....	....	....	2	....	....	3
Meningitis	13	10	18	13	16	23	27	16	11	15	6	8	176
" Tubercular	6	7	13	5	5	9	4	8	6	6	1	4	74
" Cerebro-Spinal	3	2	2	1	3	4	2	3	1	3	2	....	26
Malformation	....	2	2	....	....	....	2	....	1	....	1	....	8
Multiple Neuritis	....	....	1	....	....	....	1	1	....	....	....	....	3
Murder	....	....	2	....	1	2	3	....	....	1	1	1	11
Metritis	....	....	....	1	....	....	....	....	....	....	....	....	1
Mumps	....	....	....	....	1	....	....	....	....	....	....	....	1
Miscarriage	....	....	....	....	1	....	....	....	....	....	....	....	1
Malaria	....	....	....	....	....	....	....	2	....	1	1	....	4
Neuralgia	1	....	....	....	1	....	....	....	....	....	1	....	3

TABLE D—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Neurasthenia	2	....	1	1	....	1	....	....	2	....	1	2	10
Necrosis of Scrotum	....	...	1	....	....	....	....	....	....	....	....	....	1
Noma	....	....	....	....	....	....	....	2	....	....	....	....	2
Neuritis	....	....	....	....	....	....	....	....	2	1	....	....	3
Necrosis	....	....	....	....	....	....	....	....	....	....	....	1	1
Otitis	1	....	....	....	....	....	....	....	....	1	....	1	3
Old Age	41	26	26	30	18	37	23	20	14	26	35	27	323
Ovariotomy	....	....	1	....	....	1	1	....	....	....	1	....	4
Otorrhœa	....	....	....	....	....	1	....	1	1	....	....	....	3
Oedema of Lungs	....	....	....	....	....	1	....	....	....	....	....	....	1
Osteosarcoma	....	....	....	....	....	1	....	....	....	....	1	....	2
Paralysis	26	12	19	13	21	22	24	16	9	23	12	13	210
Pneumonia	131	84	83	73	49	32	28	23	23	30	59	86	701
" Broncho	13	8	6	7	4	2	1	1	4	2	9	5	62
" Pleuro	1	1	....	5	....	1	....	...	2	1	....	....	11
" Typhoid	4	....	2	1	....	1	1	....	1	4	2	....	16
Poison	....	....	2	1	1	2	5	1	2	....	....	2	16

Premature Birth	18	14	19	10	24	18	13	18	19	15	13	12	193
Pyæmia	3	1	....	....	.. .	1	....	....	....	1	....	1	7
Prog. Locomotor Ataxia	....	1	....	1	....	....	....	....	....	....	....	1	3
Puerperal Septicæmia	....	2	4	3	2	4	1	....	1	....	3	....	20
Pyelitis	....	1	....	....	.....	....	....	....	1	....	....	....	2
Prolonged Labor	....	....	2	2	....	....	....	1	....	1	....	....	6
Purpura Hæmorrhagia	....	....	1	1	....	....	....	1	....	....	....	....	3
Puerperal Peritonitis	....	....	....	2	....	2	1	1	2	....	....	3	11
Prostatitis	....	....	....	....	....	1	....	....	....	....	....	....	1
Pemphigus	....	....	....	....	....	....	1	1	....	....	....	....	2
Placenta Prævia	....	....	....	....	....	....	2	....	....	....	....	....	2
Puerperal Mania	....	....	....	....	....	....	....	....	....	....	1	....	1
Rheumatism	4	5	4	6	5	3	4	2	3	6	4	3	49
" Inflammatory	....	....	1	2	....	....	....	....	....	1	....	1	5
" of Heart	....	....	....	....	....	....	1	....	....	....	....	....	1
" Cardiac	....	....	....	....	....	....	....	....	1	....	....	....	1
Rupture of Bladder	....	....	....	....	....	....	1	....	....	....	....	....	1
" Uterus	....	....	....	....	....	....	1	....	....	....	....	....	1
Rachitis	....	....	....	....	....	....	....	....	....	....	1	....	1
Stricture of Bowels	1	....	....	1	....	2	1	2	1	3	1	....	12
Scrofula	2	....	....	1	....	1	....	1	....	1	....	1	7
Softening of Brain	1	1	1	5	1	6	2	2	....	....	5	3	27
Suicide	3	4	6	4	7	6	3	3	3	3	3	3	48
Septicæmia	1	....	1	3	1	2	4	1	....	....	....	2	15
Syphilis	3	3	....	1	2	5	2	2	1	2	2	....	23

TABLE D—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Suffocation, Illuminat'g Gas	....	1	....	1	1	2	....	....	1	....	....	4	10
Sclerosis of Brain	....	1	....	....	2	....	....	....	....	....	....	....	3
Scalds	....	....	....	3	1	....	....	....	2	....	1	....	7
Stricture of Rectum	....	....	....	....	1	....	....	....	....	....	....	....	1
Salpingitis	....	....	....	....	....	3	1	....	2	....	....	....	6
Spasm of Glottis	....	....	....	....	....	1	....	....	....	....	....	....	1
Sclerosis of Spine	....	....	....	....	....	2	....	1	....	....	....	....	3
Sunstroke	....	....	....	....	....	....	7	5	....	....	....	....	12
Stricture of Œsophagus	....	....	....	....	....	....	....	....	....	1	....	1	2
" Urethra	....	....	....	....	....	....	....	....	....	....	1	....	1
Spina Bifida	....	....	....	....	....	....	....	....	....	....	....	1	1
Tabes Mesenterica	1	1	1	....	1	....	....	....	4	....	....	1	9
Trismus Mascentium	3	4	8	2	4	2	2	2	3	3	3	4	40
Tetanus	1	....	1	....	1	....	2	1	2	2	2	3	15
Tumor Ovarian	1	....	1	2	....	....	1	1	....	1	....	....	7
" Cerebral	1	....	1	1	....	....	....	....	....	....	2	1	6
" Abnormal	1	....	2	....	....	1	....	....	....	....	....	....	4

Tumor Stomach	....	....	1	....	....	....	....	....	....	....	....	....	1
Thrombosis	....	1	....	....	....	....	....	....	....	....	....	....	1
Tape Worm	....	....	....	1	....	....	....	....	....	....	....	....	1
Trichinosis	....	....	....	1	....	....	....	....	....	....	....	....	1
Tumor of Larynx	....	....	1	....	1	....	....	....	....	....	....	....	2
" Uterus	....	....	....	....	....	2	....	....	....	....	....	....	2
" Liver	....	....	....	....	....	....	1	....	1	....	....	....	2
" Bladder	....	....	....	....	....	....	....	....	1	....	....	....	1
" Knee Joint	....	....	....	....	....	....	....	....	1	....	....	....	1
Uræmia	3	1	2	1	2	2	4	....	2	2	2	1	22
Ulcer of Stomach	1	1	....	2	1	2	1	1	....	....	....	....	9
" Leg	....	....	....	1	....	....	....	1	....	1	....	....	3
" Bowels	....	....	....	....	....	2	....	....	1	....	....	....	3
Unknown	3	1	....	....	....	....	1	2	1	1	4	2	15
Varicose Vein	....	....	....	1	....	....	....	....	....	....	....	....	1
Varicella	....	....	....	....	....	1	....	....	....	....	....	....	1
Whooping Cough	5	1	7	4	10	20	17	13	20	3	4	8	112
Wounds by Cars	3	3	2	1	3	6	3	1	9	4	....	7	42
" Fall	4	4	6	2	4	4	4	1	4	3	5	3	44
" Crushed	....	....	1	1	2	2	3	2	1	....	1	4	17
" by Gunshot	....	....	....	....	....	2	2	....	1	....	....	....	5
" Pistol-shot	....	....	....	....	....	....	1	....	....	....	....	....	1
Waxy Liver	....	....	....	....	....	....	....	....	....	....	1	....	1
	904	683	759	692	703	1021	1054	784	656	746	732	752	9486

TABLE D—Continued.

1894—Ages.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Under 1 year.....	214	155	182	126	180	424	406	252	213	180	137	147	2616
Between 1 and 2 years.....	67	39	55	30	23	84	91	78	55	45	45	57	669
" 2 " 5 "	50	40	35	44	34	35	37	37	32	41	37	54	476
Total under 5 years.....	331	234	272	200	237	543	534	367	300	266	219	258	3761
Between 5 and 10 years.	19	21	20	23	19	28	24	11	15	25	29	21	255
" 10 " 15 " .	15	6	11	13	14	16	9	6	10	15	17	11	143
" 15 " 20 " .	26	26	23	24	20	21	31	34	27	22	28	34	316
" 20 " 30 " .	86	53	54	52	67	62	63	72	57	68	74	70	778
" 30 " 40 " .	69	75	61	62	62	72	76	53	61	52	72	65	780
" 40 " 50 " .	67	55	59	64	57	58	75	59	42	80	59	60	735
" 50 " 60 " .	88	64	77	69	63	54	63	63	41	71	76	72	801
" 60 " 70 " .	87	64	81	67	89	59	78	57	46	60	63	81	832
" 70 " 80 " .	78	40	63	86	47	66	72	41	34	55	58	52	701
" 80 " 90 " .	32	32	32	30	27	32	24	19	20	23	32	19	322
" 90 " 100 " .	5	4	5	1	1	10	5	2	3	9	5	9	59
" 100 " 110 " .	1	....	1	1	....	....	....	....	....	....	....	....	3
Total	904	683	759	692	703	1021	1054	784	656	746	732	752	9486

NATIVITY.													
U. S.—White Males.....	253	204	217	210	210	337	353	245	190	231	211	227	2888
" " Females.....	266	209	220	192	182	281	314	247	216	233	210	192	2762
Foreign—White Males.....	92	60	85	72	60	81	76	53	50	70	69	75	843
" " Females ..	82	47	53	55	75	57	79	68	39	58	72	64	749
Colored Males.....	109	92	101	68	81	123	104	90	76	73	70	100	1087
" Females.....	102	71	83	95	95	142	128	81	85	81	100	94	1157
Totals.....	904	683	759	692	703	1021	1054	784	656	746	732	752	9486
Still Births.....	53	50	62	45	61	62	63	50	60	72	72	71	721
Marriages.....	339	278	311	421	355	411	303	305	394	467	425	386	4395
Births (Reported).....	835	864	838	641	746	655	822	895	632	834	779	842	9383

Population estimated by Police Census, White, 384,394; Colored, 71,033; total, 455,427. Total mortality during the year 9,486; United States, White, 5,650; Foreign, 1,592; Colored, 2,244; total, 9,486. Annual death rate per 1,000, whole population, 20.84; White, 18.85; Colored, 31.60. Total births (reported) 9,383; birth rate per 1,000 population, 20.62. Total marriages, 4,395; marriage rate per 1,000 population, 9.65. Total still births, 721.

TABLE D—Continued.

Total Number of Deaths Monthly in each Ward.

Wards.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
First	44	30	27	32	33	66	63	52	30	39	35	33	484
Second	32	24	26	19	34	45	57	34	34	37	24	28	394
Third	46	34	30	19	22	28	53	23	19	30	29	26	359
Fourth	31	23	32	21	19	23	23	32	25	28	21	20	298
Fifth	32	20	29	31	25	29	40	23	25	28	16	20	318
Sixth	67	48	56	65	64	73	94	54	73	62	71	51	781
Seventh	61	37	38	37	32	49	68	62	34	41	41	36	536
Eighth	55	34	42	30	34	43	40	39	35	38	38	38	466
Ninth	37	41	59	36	54	61	37	44	36	27	41	41	514
Tenth	30	29	26	26	22	39	24	22	19	24	22	23	306
Eleventh	44	37	29	27	32	36	40	32	25	38	35	40	415
Twelfth	45	32	55	44	37	61	59	39	38	35	42	45	532
Thirteenth	28	14	35	24	18	20	39	22	19	23	19	30	291
Fourteenth	44	25	19	40	28	65	44	44	39	35	50	32	465
Fifteenth	29	18	17	32	25	32	42	21	16	17	28	32	309

Sixteenth	8	13	18	11	7	24	17	7	9	20	9	15	158
Seventeenth	46	32	46	38	41	67	55	44	32	57	43	46	547
Eighteenth	53	41	43	48	52	71	61	53	35	44	40	48	589
Nineteenth	56	50	41	39	37	62	53	36	32	35	44	44	529
Twentieth	36	26	24	28	31	51	54	34	28	27	23	35	397
Twenty-first	28	24	22	14	20	31	30	20	22	21	24	31	287
Twenty-second	52	51	45	31	36	42	61	47	31	40	37	38	511
Totals	904	683	759	692	703	1021	1054	784	656	746	732	752	9486

TABLE 1.

General Health Account for the Year 1894.

DR. APPROPRIATION, $19,000. SALE OF VIRUS, $25. TOTAL, $19,025. CR.

To 454 Warrants on Comptroller	$18,176 14	By	1	voucher—Expense, yellow fever	$ 20 50
		"	29	" Vaccine virus	3,153 00
		"	37	" Small-pox expenses	569 34
		"	6	" Bedding & clothes replaced, S.P.	379 33
		"	47	" Disinfectants and fumigation	938 10
		"	2	" Analysis of water	30 00
		"	11	" Interments, Eastern District	2,830 50
		"	11	" " Western District	2,731 75
		"	11	" Coffins, Eastern District	1,148 25
		"	22	" " Western District	1,259 50
		"	14	" Tools and repairs, cemeteries	420 14
		"	9	" Printing reports and typewriting	459 59
		"	3	" Nursing contagious diseases, etc.	51 60
		"	4	" Supplies N. S. dumps	23 90
		"	8	" Rent of telephones and telegraph	289 99
		"	45	" Livery and wagon repairs	916 44
		"	50	" Watchman on dump	780 00
		"	25	" Postage due	83 39
		"	21	" Postage stamps, etc	260 00
		"	14	" Advertising and subscription	82 07
		"	10	" Removing night soil	1,094 32
		"	4	" Shell lime	128 50
		"	39	" Expenses of Morgue	290 09
		"	7	" Food inspection, expense	29 25
		"	24	" Sundry small bills	205 99
To 454 Warrants on Comptroller	$18,176 14	By 454 vouchers			$18,176 14
To balance unexpended	848 86	By unexpended balance			848 86
	$19,025 00				$19,025 00

V. BURGESS HINES, *Secretary Board of Health.*

TABLE 2.

Salary Account for the Year 1894.

Dr.	Appropriation, $39,300.		Cr.
To 13 Warrants on Comptroller	$39,300 00	By voucher—January 2	$2,716 60
		" " February 1	2,716 60
		" " March 1	4,391 72
		" " April 2	2,716 60
		" " May 1	2,716 76
		" " May 10	74 44
		" " June 1	4,317 32
		" " July 2	2,716 60
		" " August 1	2,716 76
		" " September 1	4,391 60
		" " October 1	2,716 60
		" " November 1	2,716 76
		" " December 1	4,391 64
To 13 Warrants on Comptroller	$39,300 00		$39,300 00

V. BURGESS HINES, *Secretary Board of Health.*

TABLE 3.

Nuisance and Sewers Account for the Year 1894.

Dr.		Appropriation, $15,000.		Cr.
To 123 Warrants on Comptroller	$14,936 96	By 51 vouchers—M. F. Gorman		$7,540 71
		" 47 " Henry Paff		6,979 12
		" 11 " Livery		238 75
		" 3 " Rubber Company		103 95
		" 2 " Brooms, etc.		9 15
		" 9 " Repairs—tools		65 28
To 123 Warrants on Comptroller	$14,936 96	By 123 vouchers		$14,936 96
To balance unexpended	63 04	By unexpended balance		63 04
	$15,000 00			$15,000 00

V. BURGESS HINES, *Secretary Board of Health.*

TABLE 4.

Quarantine Hospital Account for the Year 1894.

DR. APPROPRIATION, $20,000. CR.

To 183 Warrants on Comptroller	$19,890 24	By 12	vouchers—	Pay rolls	$12,213 50
		" 4	"	Insurance	421 90
		" 3	"	Sundry bills	70 87
		" 4	"	Flags, nets, etc	57 00
		" 16	"	Tug *Hygiea*	795 29
		" 9	"	Ice company	171 55
		" 5	"	Wagon, harness, etc	95 38
		" 11	"	Seeds and farm implements	102 14
		" 12	"	Market supplies	1,363 57
		" 10	"	Feed and fertilizers	404 19
		" 13	"	General supplies	437 64
		" 13	"	Coal	803 89
		" 10	"	Bedding and clothing	270 51
		" 13	"	Furniture and crockery	560 47
		" 5	"	Drugs, etc	68 96
		" 11	"	Building material	323 69
		" 3	"	Toweling and linen	66 93
		" 1	"	Transportation company	55 00
		" 13	"	Groceries	916 15
		" 12	"	Hardware, painting, etc	490 61
		" 1	"	Horse	150 00
		" 1	"	Subscription	3 00
		" 1	"	Coffins	48 00
To 183 Warrants on Comptroller	$19,890 24	By 183 vouchers			$19,890 24
To balance unexpended	109 76	By unexpended balance			109 76
	$20,000 00				$20,000 00

V. BURGESS HINES, *Secretary Board of Health.*

TABLE 5.

Account for Removing Filth from Docks for the Year 1894.

Dr.	Appropriation, $5,000.		Cr.
To 31 Warrants on Comptroller	$4,607 08	By 20 vouchers—Pay rolls	$4,223 75
		" 8 " Nets and tolls	44 56
		" 2 " M. W. Adams	276 25
		" 1 " Scow	62 52
To 31 Warrants on Comptroller	$4,607 08	By 31 vouchers	$4,607 08
To unexpended balance	392 92	By balance unexpended	392 92
	$5,000 00		$5,000 00

V. BURGESS HINES, *Secretay Board of Health.*

TABLE 6.

Account for Removing of Refuse from Packing-Houses for the Year 1894.

Dr.	Appropriation, $5,000.		Cr.
To 1 Warrant on Comptroller	$5,000 00	By 1 voucher—M. W. Adams	$5,000 00
To 1 Warrant on Comptroller	$5,000 00	1 voucher	$5,000 00

V. BURGESS HINES, *Secretary Board of Health.*

TABLE No. 7.

Salary Account for Post-mortem Medical Examiners for the Year 1894.

Dr.	Appropriation $1,500.		Cr.
To 24 Warrants on Comptroller.....	$1,500 00	By 12 Vouchers N. G. Keirle, M.D.....	$1,000 00
		" 12 " J. B. Schwatka, M.D.....	500 00
To 24 Warrants on Comptroller.....	$1,500 00	24 vouchers	$1,500 00

V. BURGESS HINES, *Secretary Board of Health.*

TABLE 8.

Nuisance and Sewer Account, City Annex, for the Year 1894

Dr.	Appropriation, $2,900.		Cr.
To 25 Warrants on Comptroller	$2,743 96	By 11 vouchers—George E. Brown	$1,043 00
		" 10 " George Rinehart	1,039 50
		" 4 " Henry Paff	661 46
To 25 Warrants on Comptroller	$2,743 96	By 25 vouchers	$2,743 96
To balance unexpended	156 04	By unexpended balance	156 04
	$2,900 00		$2,900 00

V. BURGESS HINES, *Secretary Board of Health.*

TABLE 9.

Salary Account for City Annex for the Year 1894.

Dr.		Appropriation, $3,800.		Cr.
To 12 Warrants on Comptroller	$3,800 00	By voucher—January 2		$266 64
		" " February 1		266 64
		" " March 1		406 64
		" " April 2		266 64
		" " May 1		266 68
		" " June 1		416 68
		" " July 2		266 64
		" " August 1		266 68
		" " September 1		416 64
		" " October 1		266 64
		" " November 1		266 68
		" " December 1		416 80
To 12 Warrants on Comptroller	$3,800 00			$3,800 00

V. BURGESS HINES, *Secretary Board of Health.*

TABLE 10.

Account of General Health (Special) for the Year 1894.

Dr.	Appropriation, $2,750.		Cr.
To 30 Warrants on Comptroller	$2,749 92	By 6 vouchers—W. P. Tonry	$750 00
		" 6 " George A. Vernetson	499 98
		" 6 " W. G. V. Hull	499 98
		" 6 " P. R. Welsh	499 98
		" 6 " John H. Schaefer	499 98
To 30 Warrants on Comptroller	$2,749 92	By 30 vouchers	$2,749 92
To balance unexpended	08	By unexpended balance	08
	$2,750 00		$2,750 00

V. BURGESS HINES, *Secretary Board of Health.*

TABLE 11.

Statement of Appropriation to, Expenditures by, and Unexpended Balances of the Health Department for the Year 1894.

APPROPRIATIONS.	
Salaries	$39,300 00
General health	19,000 00
Nuisance and sewers	15,000 00
Quarantine	20,000 00
Post-mortem Medical Examiners	1,500 00
Removing filth from docks	5,000 00
Removal of canning-house refuse	5,000 00
Food inspection	2,750 00
EXPENDITURES.	
Salaries	$39,300 00
General health	18,176 14
Nuisance and sewers	14,936 96
Quarantine	19,890 24
Post-mortem Medical Examiners	1,500 00
Removing filth from docks	4,607 08
Removal of canning-house refuse	5,000 00
Food inspection	2,749 92
UNEXPENDED BALANCES.	
General health	$848 86
Nuisance and sewers	63 04
Quarantine	109 76
Removing filth from docks	392 92
Food inspection	08

TABLE 11—Concluded.

APPROPRIATIONS—CITY ANNEX.

Salaries	$3,800 00
Nuisance and sewers	2,900 00

EXPENDITURES.

Salaries	$3,800 00
Nuisance and sewers	2,743 96

UNEXPENDED BALANCE.

Nuisance and sewers	$156 04

V. BURGESS HINES,
Secretary Board of Health.

REPORT

— OF THE —

ASSISTANT COMMISSIONER OF HEALTH.

REPORT.

HEALTH DEPARTMENT,

BALTIMORE, January 10, 1894.

DR. JAMES F. MCSHANE,

President of the Board of Health
and Commissioner of Health:

SIR:

I respectfully submit the following report, with the appended tables, of the work performed by the Health Department for the year ending December 31, 1894.

The year has been one of constant work by the officers of this department. The calls have been frequent and many, to which prompt attention has been given in their endeavor to fulfill and enforce the ordinances of the city applicable to the department.

The sanitary inspectors have in every instance performed their duties in a satisfactory manner and with commendable zeal, always willing and quick to respond to the many demands made upon them. Experience

has taught us that it is only by such systematic inspections the sources of all nuisances can be successfully located and the city kept in a thorough sanitary condition.

By reference to Table A it will be seen that twelve thousand four hundred and twenty-six (12,426) inspections have been made during the past year. There have also been seven thousand six hundred and ninety-two (7,692) mattresses destroyed from steamships arriving at this port.

Frequent complaints are made to this department in reference to paved and unpaved alleys situated in the rear of dwellings. These alleys are frequently sources of great nuisance, owing frequently to imperfect drainage and the mode of paving the same. This could be obviated to a great extent if the owners of properties binding could be induced to have these alleys paved with some smooth material, as, for instance, vitrified brick, Belgian or asphalt block in place of the old cobblestone now used. By these means the public would be greatly benefitted and the usefulness of the department promoted.

During the year nine thousand nine hundred and eighty-seven (9,987) cart loads of refuse, filth, etc., were removed from the numerous sewers, inlets and covered gutters. Great attention is given to this work, in order to keep them in as cleanly condition as possible. This

work has been effectively and well performed. There were thirty-six (36) tons of carbolate of lime manufactured for the use of the department, and distributed by the Superintendents of Sewers.

The reports of the Vaccine Physicians show a considerable increase of vaccination over the preceding year, and it is gratifying to state that they did excellent work in a very satisfactory manner and with good results. Our only protection against small-pox is by vaccination. As all who desire are vaccinated without charge, no good reason exists why any adult in doubt about having been vaccinated should neglect attending to this important preventative.

By reference to Table G you will please notice that the Vaccine Physicians have made during the past year forty-eight thousand four hundred and seventy-five (48,475) calls, and vaccinated forty-two thousand and forty-two (42,042) persons, as against twenty thousand eight hundred and seventy-five (20,875) the previous year.

By reference to Table E, the total amount of night soil delivered at Foley's and Winans' dumps for the year ending December 31, 1894, was ninety thousand seven hundred and twenty-one (90,721) loads, an increase of four thousand five hundred and sixty-eight (4,568) loads. The total number of gallons delivered at both

dumps, eighteen million one hundred and forty-four thousand and two hundred (18,144,200).

I take great pleasure to commend the employees of this department for their zeal and energy.

The thanks of the department is due to the Police Department for their valuable aid and assistance.

I desire to express my sincere thanks to you, personally, for your many acts of kindness during the past year.

I am, very respectfully,

Your obedient servant,

HIRAM L. SPICER, M.D.,
Assistant Commissioner of Health.

TABLES.

TABLE A.

Number of Nuisances Examined and Abated by Sanitary Inspectors during the Year 1894.

Alleys cleaned	250
" repaired	613
" paved	198
Premises cleaned	90
Vacant lots drained, filled and cleaned	286
Manure pits constructed	76
" reconstructed and repaired	58
" cleaned	77
Drain-pipes reconstructed and repaired	564
" cleaned	77
" laid	1,044
Yards cleaned	282
" drained	102
" repaired	110
" paved	34
Privies inspected and ordered cleaned	2,971
" reconstructed	346
" ventilated	46
Water-closets repaired and ventilated	146
Excavating apparatus inspected	12
Cellars drained and filled	271
" cleaned	123
Slaughter-houses inspected	20
Stables reconstructed and cleaned	50

TABLE A—Concluded.

Water-pipes and hydrants repaired	132
Gutters repaired	125
Rain-spouts reconstructed	44
Grass and weeds removed from gutters	77
Ice-ponds examined and permits granted	9
" " " refused	4
Tenements ordered cleaned and whitewashed	59
Samples of water collected for analysis	23
Number of cases of infectious diseases examined	2,242
" pieces of goods disinfected at the fumigator	384
Causes of death examined	31
Steamships examined	82
Mattresses destroyed from steamships	7,692
Scow-loads of refuse, etc., removed from steamships and destroyed	38
Sweat-shops examined	117
Complaints examined and no nuisance found to exist	250
Miscellaneous	305
Number of premises disinfected	1,102

HIRAM L. SPICER, M.D.,
Assistant Commissioner of Health.

TABLE B.

Number of Notices, Orders, etc., Issued from the Health Department and Number of Official Letters Written and Received During the Year 1894.

Number of notices issued to clean privies	46,330
Number of notices issued to clean, repair, repave and pave yards	1,512
Number of notices issued to bail, drain or fill cellars	1,371
Number of notices issued to grade, pave and repair alleys	3,557
Number of notices issued to drain or fill lots	1,119
Number of notices issued to reconstruct and ventilate water closets and privies	906
Number of notices issued to clean grass and weeds from gutters, streets, etc	1,068
Number of notices issued to clean, properly construct manure pits and remove manure	861
Number of notices issued to repair hydrants and water-pipes	642
Number of notices issued to clean and reconstruct stables	605
Number of notices issued to construct proper drainage, repair and clean drain-pipes	811
Number of notices issued to disinfect premises	242
Number of notices issued to reconstruct and repair defective plumbing	587
Miscellaneous notices	312
Total	59,923

TABLE B—Concluded.

Number of permits issued to clean privies.....	74,692
Number of permits issued to clean privies at night	182
Total	74,874
Number of official letters written	837
Number of official letters received.....	878
Legal proceedings instituted for non-compliance with notices served.....	118

HIRAM L. SPICER, MD.,
Assistant Commissioner of Health.

TABLE C.

Number of Interments in the Eastern and Western Public Cemeteries During the Year 1894.

EASTERN PUBLIC CEMETERY GEORGE RINEHART, *Superintendent.*		WESTERN PUBLIC CEMETERY GEORGE E. BROWN, *Superintendent.*	
January	18	January	39
February	38	February	33
March	37	March	46
April	27	April	21
May	37	May	32
June	44	June	45
July	25	July	29
August	31	August	45
September	34	September	32
October	27	October	25
November	25	November	36
December	21	December	30
	364		413

Total number of interments during the year 1894.....777

HIRAM L. SPICER, M.D.,
Assistant Commissioner of Health.

TABLE D.

Number of Dead Animals, etc., Removed in the Eastern and Western Districts during the Year ending December 31, 1894.

EASTERN DISTRICT.		WESTERN DISTRICT.	
GEORGE RINEHART, *Superintendent.*		GEORGE E. BROWN, *Superintendent.*	
Dogs	5,479	Dogs	5,471
Cats	6,069	Cats	6,582
Rats	5,363	Rats	5,987
Chickens	4,183	Chickens	5,312
Ducks	365	Ducks	298
Geese	72	Geese	41
Goats	19	Goats	34
Sheep	21	Sheep	28
Calves	12	Calves	13
Hogs	12	Hogs	44
Horses and mules	3	Horses and mules	3
Fish	7,961	Fish	14,871
Crabs	7,062	Crabs	9,955
Decayed meat (lbs.)	1,101	Decayed meat (lbs.)	1,612
Decayed eggs (doz.)	542	Decayed eggs (doz.)	610

Total number of dead animals	34,940
Total number of dead fowls	10,271
Total number of dead fish and crabs	39,849
Total number of pounds of decayed meats	2,713
Total number of dozens of decayed eggs	1,152
Total number of cart loads of vegetable and other offal removed from docks	1,105

HIRAM L. SPICER, M.D.
Assistant Commissioner of Health.

TABLE E.

Showing the Amount of Night Soil Delivered at Foley's and Winans' Dumps for the year ending December 31, 1894.

Foley's Wharf, Canton.	Loads.	Gallons.	Winans' Wharf, Spring Gardens.	Loads.	Gallons.
January...	381	76,200	January...	2,711	542,200
February...	341	68,200	February .	2,882	576,400
March	2,203	440,600	March....	9,877	1,975,400
April.....	2,605	521,000	April.....	10,641	2,128,200
May.....	1,610	322,000	May	6,674	1,334,800
June.....	1,408	281,600	June.....	6,971	1,394,200
July.....	1,761	352,200	July	10,467	2,093,400
August.....	1,443	288,600	August ...	7,876	1,575,200
September.	1,013	202,600	September	5,674	1,134,800
October...	715	143,000	October...	4,867	973,400
November.	540	108,000	November.	3,643	728,600
December..	542	108,400	December.	3,876	775,200
	14,562	2,912,400		76,159	15,231,800

Total number of loads delivered at both dumps 90,721

Total number of gallons delivered at both dumps 18,144,200

HIRAM L. SPICER, M.D.,

Assistant Commissioner of Health.

TABLE F.

Transcripts from the Births and Deaths for the Year ending December 31, 1894.

FROM THE RECORDS OF DEATH.

For pension claims	465
For life insurance claims	481
To prove death	90
To be sent to foreign countries	73
Total	1,109

FROM THE RECORD OF BIRTHS.

For pension claims	127
To be sent to foreign countries	31
Total	158

HIRAM L. SPICER, M.D.,

Assistant Commissioner of Health.

TABLE G.

Report of the Vaccine Physicians for the Year Ending December 31, 1894.

Wards.	Physicians.	Offices or Residences.	Number of Calls.	Number of Vaccinations.	Primary.	Secondary.	Successful.	Failed.	Not Heard From.	Males.	Females.	White.	Colored.	Revaccinations	Certificates of Vaccination Given.
1st	Wm. H. Schwatka	2429 Lancaster st...	2,014	1,024	334	690	.....	2	1,022	397	627	1,017	7	...	379
2d.	N. L. Dashiell, Jr.	700 S. Broadway....	1,534	2,089	652	1,437	592	60	1,437	1,096	993	1,976	113	...	.....
3d.	Wm. H. Johnson.	1916 E. Pratt st.....	1,435	992	350	642	327	145	520	446	546	970	22	...	248
4th	C. F. Maguire....	4 S. Exeter st.....	1,005	1,094	890	204	497	113	484	471	623	1,074	20	...	613
5th	Arthur Wegafarth	805 Aisquith st.....	2,601	1,703	1,100	603	1,324	140	239	1,212	491	986	717	...	247
6th	F. A. Sauer.....	439 N. Central av...	3,660	1,156	743	413	731	31	394	480	676	976	180	...	.....
7th	G. H. Chabot.....	1111 E. Preston st.	2,740	1,422	597	825	562	2	858	821	601	1,243	179	...	872
8th	Henry F. Cassidy	702 Greenmount ave	2,286	1,482	644	838	161	.....	1,321	635	847	1,276	206	...	498
9th	Wilbur C. Curry.	812 N. Calvert st....	2,043	2,819	147	2,672	244	29	2,546	1,530	1,289	1,789	1,030	...	2
10th	August Horn.....	697 W. Mulberry st.	2,548	3,863	744	3,119	471	.....	3,392	2,983	880	3,208	655	...	694
11th	J. A. Gillis.....	437 W. Biddle st....	1,850	1,400	722	678	540	54	806	671	729	650	750	...	463
12th	T. P. McCormick.	1421 Eutaw Place...	1,887	935	535	400	576	237	122	393	542	461	474	18	89
13th	Wm. Wolf.....	658 W. German st..	1,151	1,235	213	1,022	1,076	93	66	115	1,120	1,023	212	...	104
14th	J. C. Wunder.....	1075 W. Fayette st.	2,512	1,951	508	1,443	907	239	805	801	1,150	1,650	301	5	406
15th	W. B. Burch.....	509 Hanover st.....	2,981	2,683	515	2,168	326	161	2,196	420	2,263	1,957	726	...	414
16th	Joseph Blum.....	641 Columbia av....	1,622	1,296	540	756	906	134	256	565	731	949	347	...	459
17th	Henry Stark.....	1110 Hanover st....	5,640	5,367	2,511	2,856	4,274	225	868	2,278	3,089	4,674	693	...	2,140
18th	Harry Boyd.....	677 Columbia av....	2,766	2,544	1,131	1,413	789	218	1,537	1,286	1,258	2,176	368	...	470
19th	J. W. Linthicum.	1327 W. Fayette st.	1,648	957	303	654	29	8	920	405	552	607	350	...	136
20th	Paul F. DeFord..	1530 Harlem av.....	1,270	2,617	944	1,673	159	97	2,361	1,076	1,541	1,889	728	66	503
21st	Morris Shanks....	Parkdale & Woodb'y	1,124	2,040	471	1,569	133	2	1,905	745	1,295	1,822	218	...	984
22d.	H. G. Prentiss....	809 Gorsuch av.....	2,152	1,373	445	928	128	48	1,197	654	719	1,112	261	..	532
			48,475	42,042	15,039	27,003	14,752	2,038	25,252	19,480	22,562	33,485	8,557	89	10,253

HIRAM L. SPICER, M.D., *Assistant Commissioner of Health.*

REPORT

—OF THE—

Chemist and Milk Inspectors.

REPORT.

HEALTH DEPARTMENT,

BALTIMORE, January 1, 1895.

JAMES F. MCSHANE, M.D.,

Commissioner of Health:

SIR:

Ordinance No. 87, to regulate and provide for the inspection of milk and other food products, was approved May 16, 1894. Under the provisions of that ordinance the Food Division of the Health Department of Baltimore City began active work on June 1, 1894, with one Chemist and three Food Inspectors.

CITY MILK SUPPLY.

Baltimore city obtains its milk supply from three sources: First, from twelve railroad trains that brought into the city during the last year 5,191,900 gallons; second, from 70 country wagons, that brought last year 638,750 gallons; third, from 1,126 cows in the city, that furnished last year 827,450 gallons. Total, 6,658,100 gallons of milk during the year

1894. The figures from the last two sources are as far as could be ascertained. Cream is not included in the foregoing figures. One railroad brought into the city over 90,000 gallons of cream during the six summer months.

INSPECTION OF MILK.

Milk is inspected at six railroad stations, on the arrival of twelve trains that bring it into the city, and on the streets of the city, in the delivery wagons that supply customers, and in any store or place where it is kept, offered or intended for sale.

The following Table Shows the Number of Lots and the Number of Gallons of Milk that have been Examined and that have been Destroyed during each of the Seven Months that the Inspection has been in Force.

Milk Inspected (Seven Months), 1894.	At Railroad Stations.				In Delivery Wagons.				In Dairies, Stores, Etc.				Total in all Places.			
	Examined.		Spilled.		Examined.		Spilled.		Examined.		Spilled.		Examined.		Spilled.	
	lots.	gals.	lots.	gals	lots.	gals.	lots.	gals	lots.	gals.	lots.	gals	lots.	gals.	lots.	gals
June	1770	8850	154	776	98	882	33	296	7	50	3	22	1875	9782	190	1094
July	1144	5810	230	1143	473	6069	81	741	52	229	22	62	1669	12108	333	1946
August	1395	7000	89	440	314	4056	10	58	41	150	2	12	1750	11206	101	510
September	1761	8884	127	664	369	4733	24	157	8	101	.....	.....	2138	13718	151	821
October	1699	8495	219	1094	403	5255	16	111	25	167	6	10	2127	13917	241	1215
November	978	5069	94	465	222	3019	4	36	4	28	.....	.....	1204	8116	98	501
December	892	4514	92	457	242	3339	12	83	57	392	3	2	1191	8245	107	542
Total	9639	48622	1005	5039	2121	27353	180	1482	194	1117	36	108	11954	77092	1221	6629

All the milk received by railroad is in cans, most of the cans holding five gallons. The milk is inspected before it leaves the car, or before it leaves the platform, but always before it passes into the hands of the consignee. If it is found below standard it is immediately spilled by the Inspector, and a printed card bearing the signature of the Inspector, the date and the number of gallons spilled, is attached to each can from which milk has been spilled.

On the street the delivery wagons are stopped wherever they are met, and the milk is examined as it is found in the churn and in the smaller tins. If the milk is below standard it is spilled on the street. Skim-milk and buttermilk may be sold as such, but if not marked as such, either at the depot or in the delivery wagon, it is assumed to be whole milk. Some wagons deliver only skim-milk. A sign on the back of the churn, or one hidden by the covering of the churn, or otherwise concealed in the wagon, is not a proper notice. The notice should be on the outside of the wagon, and in such a position as to be visible across the street.

LABORATORY WORK DONE BY THE CHEMIST.

During the seven months the Chemist made chemical examinations of 288 samples of milk, 23 samples of water, 2 samples sold as lard, 1 sample sold as butter and 1 lot of canned solution.

Microscopic examinations were made of 168 samples of milk and of four other food products. Of the 288 samples of milk analyzed, 145 were watered, 69 were skimmed, 23 were skimmed and watered, 29 were colored artificially, 5 had cream added and 3 had preservaline added. Of the 168 samples of milk examined by the microscope only 4 were found clean. As the city has not supplied either laboratory, chemicals or apparatus, all the chemical and microscopical work has been done by the Chemist in his own laboratory.

CITY COW STABLES.

Within the limits of Baltimore city we have inspected 97 cow stables. How many more there are we have yet to find out. These 97 stables have 1,126 cows, that furnished last year 827,450 gallons of milk. In the Central District there are 18 stables, with 64 cows; in the Northeastern District there are 23 stables, with 438 cows; in the Eastern District, 14 stables, with 37 cows; in the Southern District, 19 stables, with 186 cows; in the Southwestern District, 21 stables, with 328 cows, and in the Northwestern District there are 2 stables, with 73 cows. Three of these stables give 1,500 to 2,000 cubic feet of space for each cow, but 200 to 500 cubic feet is more generally found. The greater the number of cows in a single stable the less is the space allowed, the object being to retain the animal heat and force the pro-

duction of a larger quantity of milk. Some of the cows are milked three times a day. Proper ventilation is at a minimum, and dirt at a maximum. Many of the city cows never leave the stable, day or night, from the time they enter till they are sold to the butcher. The drainage from the stables finds its way to the alleys, and, in some cases, to the streets of the city. Slop, cabbage leaves, partly decomposed tomato parings, hay grain, middlings and corn chop are the material from which the food is selected. There is no law to prevent the keeping of cows in the city, and the number of cow stables is on the increase.

In the case "John W. Deems vs. Mayor and City Council of Baltimore *et al.*," Deems asks for an injunction against the city officers to prevent his milk being spilled, etc. The City Solicitor demurred to the bill of complaint filed August 2, 1894, by complainant. On August 15, 1894, Judge Harlan sustained the demurrer and refused the injunction. On December 18, 1894, the Court of Appeals of Maryland (October term, 1894, case No. 60,) affirmed the decree of the lower court.

Respectfully,

WILLIAM P. TONRY, Ph.D.,

Chemist to the Board of Health.

REPORT

— OF THE —

INSPECTOR OF PLUMBING.

REPORT.

HEALTH DEPARTMENT,

BALTIMORE, December 31, 1894.

JAMES F. MCSHANE, M.D.,

President of Board of Health
and Commissioner of Health:

SIR:

I have the honor to submit the following report of work performed by me as Inspector of Plumbing for the year ending December 31, 1894.

The tables annexed will show in detail the number of permits issued and inspections made.

In conformity with the requirements of Section 7 of the ordinance regulating the work of plumbing, I most respectfully inform you that fines to the amount of twenty-six dollars and eighty cents ($26.80) were imposed for violations.

Respectfully,

JAMES D. STIDHAM,
Inspector of Plumbing.

HEALTH DEPARTMENT,

BALTIMORE, December 31, 1894.

JAMES F. MCSHANE, M.D.,

President of Board of Health
and Commissioner of Health:

SIR:

I have the honor to submit the following report of work performed by me as Inspector of Plumbing for the year ending December 31, 1894:

Number of permits issued for plumbing....	2,043	
" " " drain-pipes...	1,044	
		3,087
" of inspections of plumbing.....	2,555	
" " " drain-pipes.....	1,040	
		3,595
" " registered plumbers in the city.		337

Respectfully,

JAMES D. STIDHAM,
Inspector of Plumbing.

TABLES.

TABLE No. 1.

Number of Inspections of Plumbing and Drain Work for the Year Ending December 31, 1894.

Months.			Months.			Totals.
January...	Inspections of plumbing..	196	January...	Inspections of drains.	70	266
February..	" " ..	117	February..	" "	35	152
March	" " ..	136	March	" "	68	204
April.....	" " ..	208	April.....	" "	176	384
May.....	" " ..	197	May.....	" "	56	253
June	" " ..	268	June	" "	100	368
July.....	" " ..	201	July.....	" "	187	388
August ...	" " ..	217	August....	" "	124	341
September.	" " ..	268	September.	" "	36	304
October....	" " ..	241	October...	" "	89	330
November.	" " ..	238	November.	" "	81	319
December.	" " ..	268	December..	" "	18	286
Total...	.....	2555	Total...	.....	1040	3595

JAMES D. STIDHAM,

Inspector of Plumbing.

TABLE No. 2.

Plans Received and Permits Granted for Plumbing and Drain Work during the Year Ending December 31, 1894.

Months.			Months.			Total.
January...	Plumbing work.....	92	January.. ..	Drain-pipes.....	70	162
February..	" "	108	February...	"	35	143
March	" "	108	March.	"	68	176
April.....	" "	187	April	"	176	363
May.....	" "	187	May.....	"	56	243
June	" "	187	June..	"	100	287
July.....	" "	167	July.....	"	191	358
August ...	" "	179	August.....	"	124	303
September.	" "	198	September..	"	36	234
October....	" "	203	October....	"	89	292
November.	" "	179	November..	"	81	260
December..	" "	248	December..	"	18	266
Total. ..	.....	2043	Total	.....	1044	3087

JAMES D. STIDHAM,

Inspector of Plumbing.

REPORT

—— OF THE ——

QUARANTINE HOSPITAL OF THE PORT OF BALTIMORE.

REPORT.

QUARANTINE HOSPITAL,

PORT OF BALTIMORE, January 1, 1895.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

I have the honor to herewith submit the report of the Quarantine Hospital for the year ending December 31, 1894.

It again becomes my duty to call your attention to the condition of the old Quarantine. Since the opening of the new station the old place has been under the supervision of the Quarantine Physician. Nothing in the way of repairs have been made, the buildings are in a most dilapidated condition, and the wharf is completely gone. If this place is to be retained as a hospital for the reception of contagious disease from the city it should be inspected by a committee from your honorable body and put in a condition for such service. If, on the other hand, it should be deemed impracticable to make the necessary repairs, I would then earnestly

recommend that it be taken from under the supervision of the Quarantine Physician and some one be allowed to work the land for taking care of the place, thereby saving a considerable expense to the city.

During the past year a disinfecting plant has been built, and has been pronounced by an expert on such matters the equal if not the superior of any in the country.

The building of this plant became necessary to comply with the regulations promulgated by the United States Treasury Department, and should do away with the Marine Hospital Quarantine at Cape Charles, which has been in operation for the past two years, and which has caused great expense, unnecessary delay, and unjust discrimination to the shipping interests of this port.

Section 3 of the Quarantine Laws of the United States, entitled "An act granting additional quarantine powers and imposing additional duties upon the Marine Hospital Service," approved February 15, 1893, reads: "That the Supervising Surgeon-General of the Marine Hospital Service shall, immediately after this act takes effect, examine the quarantine regulations of all State and municipal boards of health, and shall, under the direction of the Secretary of the Treasury, co-operate with and aid said State and municipal boards of health in the execution and enforcement of the rules and

regulations made by the Secretary of the Treasury to prevent the introduction of contagious or infectious diseases into the United States from foreign countries, and all rules and regulations made by the Secretary of the Treasury shall *operate uniformly and in no manner discriminate against any port or place*, and at such ports and places within the United States as have no quarantine regulations under State or municipal authority when such regulations are, in the opinion of the Secretary of the Treasury, necessary to prevent the introduction of contagious or infectious diseases into the United States from foreign countries, and at such ports and places within the United States where quarantine regulations exist under the authority of the State or municipality which, in the opinion of the Secretary of the Treasury, are *not sufficient* to prevent the introduction of such diseases into the United States, the Secretary of the Treasury shall, if in his judgment it is necessary and proper, make such additional rules and regulations as are necessary to prevent the introduction of such diseases into the United States, and when said rules and regulations have been made they shall be promulgated by the Secretary of the Treasury and enforced by the sanitary authorities of the State and municipalities where the State or municipal authorities will undertake to execute and enforce the same, but if the State and municipal authorities shall fail or refuse to enforce said rules and regulations, the President shall execute the same, and

adopt such measures as in his judgment shall be necessary to prevent the introduction or spread of such diseases."

This station now being thoroughly equipped, and being ready and willing to enforce the foregoing regulations, this port should not be subjected to the hardship of an unjust and discriminating quarantine at the hands of the government, and every effort should be made, before the opening of the quarantine season, to have the Cape Charles Station removed, as far as Baltimore is concerned.

Five hundred and three vessels have been boarded and inspected during the year (see Table 1), and from these vessels we have collected and paid into the city treasury the sum of $5,648.37. (See Table 2).

Table 3 shows the number and class of vessels with sickness on board, or from infected ports, detained at Quarantine for cleansing and disinfecting. There were but three in all.

By referring to Table 4 you will find that twenty-four patients were treated at this hospital during the year, the larger portion of whom were sent from the city.

The cost of maintaining the Quarantine and Old Hospital for the year was $19,890.24, as more fully shown

by the Health Commissioner's report. The appropriation was $20,000 for the two places, leaving a surplus of $109.76.

In conclusion, I beg leave to return my sincere thanks to Dr. W. B. Clark for his intelligent and valuable assistance, and to say that the employees of the place have performed their duties in a manner deserving the highest praise.

Very respectfully,

Your obedient servant,

S. O. HEISKELL, M.D.,
Quarantine Physician.

TABLES.

TABLE I.

Showing the Number of Vessels Inspected at Quarantine for the Year ending December 31, 1894.

Months.	Class of Vessels.					
	Steamships.	Ships.	Barks.	Brigs.	Schooners.	Total.
January	3	....	1	1	....	5
February	5	....	....	....	....	5
March	7	....	....	....	....	7
April	8	....	6	....	....	14
May	46	1	6	1	42	96
June	39	....	6	....	60	105
July	42	....	6	2	22	72
August	38	1	6	....	9	54
September	39	....	5	....	19	63
October	53	....	6	1	14	74
November	4	....	1	....	....	5
December	3	....	....	....	....	3
Total	287	2	43	5	166	503

TABLE II.

Showing the Amount of Money Received for Quarantine Fees and Paid to the City Register for the Year Ending December 31, 1894.

Months.	Class of Vessels.					Total.
	Steamships.	Ships.	Barks.	Brigs.	Schooners.	
January	48 65	.....	$ 6 44	$3 17	.....	$ 58 25
February	117 50	.....	.....	.....	.....	117 50
March	175 50	.....	.....	.....	.....	175 50
April	140 88	.....	41 25	.....	.....	182 13
May	728 17	$16 05	37 68	2 80	$144 34	929 04
June	564 30	.....	32 79	.....	178 01	775 10
July	659 17	.....	37 65	6 76	67 94	771 52
August	556 76	16 49	39 35	.....	51 14	663 74
September	674 54	.....	43 10	.....	81 39	799 03
October	903 24	.....	36 53	2 80	65 55	1,008 12
November	74 74	.....	8 97	.....	.....	83 71
December	84 73	.....	.....	.....	.....	84 73
Total	$4,728 17	$32 54	$283 76	$15 53	$588 37	$5,648 37

TABLE III.

Showing the Number and Class of Vessels Detained at Quarantine for Cleansing and Disinfecting for the Year ending December 31, 1894.

Months.	Steamships.	Ships.	Barks.	Brigs.	Schooners.	Total.
January	....	....	....	....	....	....
February	....	....	....	....	....	....
March	....	....	....	....	....	....
April	....	....	1	....	....	1
May	....	....	....	....	....	....
June	....	....	....	....	....	....
July	....	....	....	....	....	....
August	1	....	....	....	....	1
September	1	....	....	....	....	1
October	....	....	....	....	....	....
November	....	....	....	....	....	....
December	....	....	....	....	....	....
Total	2	....	1	....	....	3

TABLE IV.

Showing the Number of Patients treated at the Quarantine for the Year ending December 31, 1894.

Disease.	Remaining over from 1893.	Received in 1894.	Discharged in 1894.	Remaining in Hospital.	Died in 1894.	Total.
Small-pox	.....	15	11	.....	4	15
Yellow fever	.....	4	3	.....	1	4
Quarantined	.....	3	3	.....	.....	3
Syphilis	.....	1	1	.....	.....	1
Measles	.....	1	1	.....	.....	1
Total	.....	24	19	.....	5	24

METEOROLOGICAL SUMMARY FOR 1894.

FROM WEATHER BUREAU RECORDS.

U. S. WEATHER BUREAU, BALTIMORE, MD.

PRESSURE.

Mean barometer.....29.88 inches, .18 below normal.
Highest barometer.....30.62 " on February 24.
Lowest barometer.....29.18 " on Jan. 29 and Dec. 27.
Range of barometer..... 1.44 "

TEMPERATURE.

Mean temperature.....55.9 degrees, .4 degrees above normal.
Highest temperature.....98 " on June 24.
Lowest temperature..... 7 " on December 29.
Mean winter (1893 and 1894) temperature, 36.7 degrees, 6 degrees higher than that of 1892 and 1893, and 0.1 degree above normal.
Mean spring temperature.....55.3 degrees, 2.3 degrees above normal.
Mean summer temperature.....74.7 " 0.4 " below "
Mean autumn temperature.....57.1 " 0.7 " " "

PRECIPITATION.

Total precipitation during the year, 38.32 inches, 6.02 inches below the normal. Number of days on which rain or snow fell, 134. Greatest monthly precipitation, 7.26 inches in May. Least monthly precipitation, 1.19 inches in March.

WINDS.

Prevailing direction, northwest.
Highest velocity, 48 miles per hour, from the west, on June 30.
Mean velocity, 7.4 miles per hour.
Total movement, 64,369 miles.
Mean relative humidity, 68 per cent.
First heavy frost in autumn, November 12.
Last snow of season, 1893 and 1894, April 12.
First snow of season, 1894 and 1895, November 30.

PREPARED BY J. H. DONALDSON.

C. P. CRONK, M.D.,
Observer, Weather Bureau.

ANNUAL REPORT

—— OF THE ——

WATER DEPARTMENT

—— TO THE ——

MAYOR AND CITY COUNCIL OF BALTIMORE,

—— FOR THE ——

FISCAL YEAR ENDING DECEMBER 31, 1894.

THE WATER BOARD OF BALTIMORE CITY.

DECEMBER 31, 1894.

HON. FERDINAND C. LATROBE, MAYOR,
Ex-officio President.

D. MEREDITH REESE, *Secretary.*

WILLIAM A. MARBURG,

JOHN E. HURST,

JOSEPH S. HEUISLER,

CLINTON P. PAINE,

FRANCIS H. HAMBLETON.

OFFICERS OF THE WATER BOARD:

WATER REGISTRAR:

E. SHRIVER.

ACTING CHIEF ENGINEER:

WILLIAM L. KENLY.

REPORT.

BOARD OF WATER COMMISSIONERS—CITY HALL,

BALTIMORE, January 2, 1895.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

Per requirements of city ordinance, the report of the Water Board for the year ending December 31, 1894, is respectfully submitted.

Balance due the Mayor and City Council, December 31, 1893		$117,985 94
Deduct cash in hands of Water Registrar, December 31, 1893		2,228 04
		$115,757 90
Add amount of disbursements paid by warrants issued during the year		742,793 81
		$858,551 71
Deduct amount of revenue received during the year and deposited with City Register, including water tax	$812,235 71	
Less cash on hand, December 31, 1894	2,515 12	
		809,720 59
Leaving a balance of		$48,831 12

due the Mayor and City Council December 31, 1894.

The net collections from all sources during the year was $812,235.71.

In 1893 the net collections from all sources was $824,365.03.

Thus showing a decrease of $12,129.32 for the past year as compared with 1893.

The collections of water rents show an increase over receipts of 1893. See Table I.

The excess of receipts over expenditures amount to $69,441.90.

The disbursements for the past year were as follows:

For distributing mains	$ 87,862 54
" fire-plugs and fountains	5,042 53
" Gunpowder permanent supply	3,395 56
" new pump	49,628 33
" tools and fixtures—returned money and real estate	5,468 34
" working expenses	146,309 83
" interest on water stock	445,086 68
	$742,793 81

The disbursements for 1893 aggregated $898,083.06, which amount included the expenditure for completion of Guilford Reservoir and work at Lake Clifton.

By comparison of the two years' disbursements it will be observed that $155,289.25 less was expended in 1894. The redemption of the Four Million 1894 Loan saved the Board in interest $67,543.32. This loan liquidated by payment out of the sinking fund, $263,000 at 6 per cent., $3,737,000 at 5 per cent., will relieve the Board of paying interest amounting to $202,630 annually. But this reduction of interest will not admit of the improvements contemplated, hence a new loan of two million dollars was granted by act of the last Legislature and ratified at the last city election.

By means of this new loan the Board can carry on the department with greater efficiency. The proceeds will be applied to supplying territory in the Annex, with extension and enlarging of mains, a supply to the high elevation situated north and west of Druid Hill Park, and also improvements in the city proper. These needed betterments are receiving the earnest attention of the Board.

The suit brought by the receivers of Fenton & Allen, contractors for the construction of Loch Raven dam, to recover a larger amount than that which was admitted by the Board to be due, was dismissed by order of the Circuit Court for Baltimore county, upon payment of the final estimate, approved when work was completed, amounting to $3,395.56. This payment was made to the receiver in October last.

The new ten-million-gallon high-duty pumping engine has been erected at the eastern pumping station and commenced work on April 19, 1894. One billion four hundred and thirty-one million seven hundred and forty-two thousand two hundred and ninety-four gallons of water have been pumped at this station during the year from the Gunpowder supply to the high-service reservoir.

The fountain in Druid Lake run for the first time with water from the Gunpowder River.

The work of regrading at Lake Clifton has been completed by contract.

A large log that drifted and sunk against the drain-gates at Lock Raven, causing a deposit to collect at that point, has been removed and the deposit scraped from around the gate-house for a distance of fifty feet from the drain-gates.

Sixteen and one-half miles of main were laid during the year, the pipe varying in size from $1\frac{1}{2}$ inches to 12 inches in diameter. This makes a total length of city mains to date of $498\frac{3}{4}$ miles.

The number of new fire-plugs erected was 45, making a total of 1,519 in the city.

There are in the city 196 public fountains, 20 of

which were erected during the past year, and five old fountains replaced by new ones.

There were 67 meters and 2 indicators placed in operation during 1894. Total number of meters in service, 1,121 ; total number of indicators, 414. The Board is entirely satisfied with the working of the water meters, and is considering the matter of placing meters in other establishments where the water-rent is now charged at a special rate and where the consumption of water can only be correctly and fairly arrived at by measurement.

Applications for 2,562 houses and warehouses were made in 1894, together with applications for sundry other rents, from which an additional revenue is expected of $18,755.50 annually.

The income from water rents taken from the 1895 ledgers, and for which bills have been delivered, is $627,113.09. New supplies, which may be added during the year, meter rents and water tax added to former amount will make the estimated revenue for 1895.

The Board takes pleasure in reporting the lakes, reservoirs and other property of the entire line of the department to be in good order.

With this report we hand you the Water Registrar's

and Acting Chief Engineer's annual reports, with accompanying statements, all of which exhibit the condition and furnish full particulars of the Water Department.

Very respectfully,

FERDINAND C. LATROBE,
President.

D. MEREDITH REESE,
Secretary.

WILLIAM A. MARBURG,
JOHN E. HURST,
JOSEPH S. HEUISLER,
CLINTON P. PAINE,
F. H. HAMBLETON.

Water Registrar's Report.

REPORT.

WATER REGISTRAR'S OFFICE—CITY HALL,

BALTIMORE, December 31, 1894.

To the Honorable the President and
Members of the Water Board:

GENTLEMEN:

In compliance with City Ordinance No. 10, Section 8, the Registrar has had prepared and submits the following statements, showing the receipts and disbursements of the Registrar's Department for the year 1894, and the sources from which the revenue was received.

The receipts for the year were as follows:

From 1894 water rents	$421,419 85
" 1893 "	131,124 84
" 1892 "	6,086 44
" 1891 "	2,349 16
" meter rents	172,822 86
	$733,803 15
Less discount on 1894 water rents	34,437 11
	$699,366 04

Amount brought forward	$699,366	04
From interest on back water rents	2,858	60
" plumbing bills	45,553	06
" distributing mains	1,300	44
" Lake Montebello	147	90
" Loch Raven	462	83
" Lake Roland	764	90
" eastern pumping station	175	20
" pumps and fountains	6	00
" Jones' Falls conduit	25	00
" Lake Clifton	113	33
" fire-plugs	1	00
" eastern pumping station, pump	81	61
" current expenses	25	00
" real estate	300	00
" appropriations, Mayor and City Council	3,110	00
" water tax	57,944	80
	$812,235	71

The disbursements for the year were as follows:

Paid plumbing department	29,826	86
" repairs	21,600	73
" Lake Montebello	3,113	31
" current expenses	6,962	21
" western pumping station	10,844	92
" Lake Roland	3,689	34
" salaries	34,873	85
" temporary supply	356	75
" Hampden reservoir	994	34
" Loch Raven	8,464	57
" Lake Clifton	3,013	03
" Druid Lake	2,038	71
" Mount Royal reservoir	734	95
" High service reservoir	293	38
" water courses	1,134	96
" Jones' Falls conduit	120	00
" eastern pumping station	15,191	47
" Guilford reservoir	1,186	03
" stationery and printing	1,870	41
Working expense	$146,309	83
" distributing mains	87,862	54
" fire-plugs, pumps and fountains	5,042	53
" tools and fixtures	1,075	40
" returned money	1,080	16
" gunpowder permanent supply	3,395	56
" eastern pumping station, pump	49,628	33
" real estate	3,312	78
" interest	445,086	68
	$742,793	81

The following statements exhibit in detail the financial transactions of the department for the year 1894:

Statement A, Water Registrar's cash account.
" B, " " disbursement account.
" C, trial balance, general ledger.
" D, balance sheet.
" E, receipts.
" F, disbursements.
" G, new supplies.
" H, abatements.
" I, comparative receipts.
" K, balances remaining on the books of the department December 31, 1894.
" L, revenue.

Most respectfully submitted,

E. SHRIVER,
Water Registrar.

STATEMENTS.

STATEMENT A.

Water Register's Cash Account for the Year 1894.

		Dr.	Cr.
To balance on hand December 31, 1893		$ 2,228 04	
To water rents, 1894	$421,419 85		
Less discount	34,437 11		
		386,982 74	
To water rents, 1893		131,124 84	
" " " 1892		6,086 44	
" " " 1891		2,349 16	
" meter "		172,822 86	
" interest on back water rents		2,858 60	
" plumbing bills		45,553 06	
" Lake Roland		764 90	
" Loch Raven		462 83	
" distributing mains		1,300 44	
" Lake Clifton		113 33	
" pumps and fountains		6 00	
" eastern pumping station		175 20	
" Lake Montebello		147 90	
" Jones' Falls conduits		25 00	
" eastern pumping station, pump		81 61	
Amount carried forward		$753,082 95	

STATEMENT A—Continued.

	Dr.	Cr.
Amount bronght forward.	$753,082 95	
To current expenses.....	25 00	
" fire-plugs.....	1 00	
" real estate.....	300 00	
" appropriations by Mayor and City Council	3,110 00	
" water tax.....	57,944 80	
By deposits with City Register, January.....		$119,157 46
By deposits with City Register, February.....		220,372 96
By deposits with City Register, March.....		65,308 81
By deposits with City Register, April.....		67,843 07
By deposits with City Register, May.....		55,224 81
By deposits with City Register, June.....		26,215 21
By deposits with City Register, July.....		65,557 03
By deposits with City Register, August.....		19,993 18
Amounts carried forward.	$814,463 75	$639,672 53

STATEMENT A—Concluded.

	Dr.	Cr.
Amts. brought forward...	$814,463 75	$639,672 53
By deposits with City Register, September.....		15,722 54
By deposits with City Register, October.....		61,655 87
By deposits with City Register, November.....		12,339 39
By deposits with City Register, December.....		24,613 50
By water tax.....		57,944 80
By balance on hand December 31, 1894.....		2,515 12
	$814,463 75	$814,463 75

STATEMENT B.

Water Registrar's Disbursement Account for the Year 1894.

	Dr.	Cr.
To Water Board warrants drawn by the Board on the City Comptroller during the year	$742,793 81	
By Gunpowder permanent supply		$ 3,395 56
" distributing mains		87,862 54
" fire-plugs		2,724 76
" pumps and fountains		2,317 77
" tools and fixtures		1,075 40
" returned money		1,080 16
" plumbing department		29,826 86
" repairs		21,600 73
" Lake Montebello		3,113 31
" current expenses		6,962 21
" western pumping station		10,844 92
" Lake Roland		3,689 34
" Engineer's department		8,839 34
" Registrar's department		26,034 51
" temporary supply		356 75
Amts. carried forward	$742,793 81	$209,724 16

STATEMENT B—Concluded.

	Dr.	Cr.
Amts. brought forward....	$742,793 81	$209,724 16
By Hampden reservoir.....		994 35
" Loch Raven.....		8,464 57
" Lake Clifton.....		3,013 03
" Druid Lake.....		2,038 71
" Mount Royal reservoir.		734 95
" high service reservoir..		293 38
" water courses.....		1,134 96
" Jones' Falls conduit...		120 00
" eastern pumping station		15,191 47
" Guilford reservoir.....		1,186 03
" stationery and printing.		1,870 41
" eastern pumping station—pump		49,628 33
" Gunpowder real estate.		3,304 78
" real estate.....		8 00
" interest on water loan..		445,086 68
	$742,793 81	$742,793 81

STATEMENT C.

DR. *Trial Balance, General*

Folio.		
6	Construction of new works	$3,884,123 65
8	Real estate and water rights	771,718 57
10	Gunpowder real estate and water rights	235,593 23
12	Gunpowder permanent supply	4,845,613 66
108	Water Registrar's cash account	2,515 12
152	Lake Clifton	2,899 70
158	Guilford Reservoir construction	162,671 24
159	Guilford Reservoir	1,186 03
173	Distributing mains	2,695,606 12
179	Eastern pumping station pump	49,546 72
190	Tools and fixtures	8,415 53
196	Water meters	6,000 00
198	Lake Montebello	2,965 41
212	Repairs	21,600 73
220	Lake Roland	2,924 44
223	Druid Lake	2,038 71
227	High service reservoir	293 38
231	Hampden Reservoir	994 35
235	Mount Royal Reservoir	734 95
239	Printing and stationery	1,870 41
249	Current expenses	6,937 21
257	Engineer's Department	8,839 34
261	Registrar's Department	26,034 51
265	Returned money	1,080 16
272	Pumps and fountains	626 77
279	Loch Raven	8,001 74
290	Western pumping station	10,844 92
300	Fire-plugs	1,298 76
309	Eastern pumping station	15,016 27
323	Temporary supply	356 75
331	Water courses	1,134 96
335	Jones' Falls conduit	95 00
417	Discount	34,437 11
		$12,814,015 45

STATEMENT C.

Ledger, December 31, 1894. CR.

Folio.		
1	City 5 per cent. water stock	$5,000,000 00
1	City 4 per cent. water stock	1,500,000 00
1	City water stock redeemed	4,000,000 00
2	Profit and loss.....	1,513,640 83
51	Mayor and City Council.....	48,831 12
375	Plumbing Department.....	14,881 75
458	Interest.....	2,858 60
501	Meter rents.....	172,822 86
592	1891 water rents.....	2,349 16
610	1892 "	6,086 44
630	1893 "	131,124 84
634	1894 "	421,419 85
		$12,814,015 45

STATEMENT D.

Dr. *Balance Sheet, General*

Folio.		
6	Construction of Works.....	$8,941,955 27
8	Real estate and water rights.....	771,718 57
10	Gunpowder, real estate and water rights.....	235,593 23
108	Water Registrar's cash.....	2,515 12
173	Distributing main.....	2,695,606 12
190	Tools and fixtures.....	7,340 13
196	Water meters.....	6,000 00
		$12,660,728 44

STATEMENT D.

Ledger, December 31, 1894. CR.

Folio.		
1	City five per cent. water stock.....	$5,000,000 00
1	City four per cent. water stock....	1,500,000 00
1	City water stock, redeemed.....	4,000,000 00
2	Profit and Loss.....	2,111,897 32
52	Mayor and City Council.....	48,831 12
		$12,660,728 44

STATEMENT E.

Receipts of the Water Department for the Year 1894.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Water rents, 1894	$54,238 25	$225,671 30	$52,416 83	$12,316 36	$10,134 62	$8,746 76	$7,710 43	$6,864 22	$7,885 25	$8,577 20	$7,877 17	$18,981 46	$421,419 85
" " 1893	21,105 31	12,287 64	11,571 48	17,039 58	37,199 59	10,902 46	11,984 71	5,611 79	1,374 62	922 66	548 75	576 24	131,124 84
" " 1892	539 17	454 08	697 76	397 04	1,220 90	536 58	985 41	602 75	259 75	125 00	90 00	178 00	6,086 44
" " 1891	173 50	212 84	202 66	163 32	356 00	117 00	552 33	227 34	83 00	112 50	13 67	135 00	2,349 16
Interest on back water rents	41 13	107 95	185 55	293 31	858 97	327 77	551 08	258 92	90 62	64 49	34 10	44 71	2,858 60
Plumbing bills	2,828 77	2,783 91	2 915 73	2,307 15	4,459 28	3,016 34	6,599 41	4,858 27	5,157 72	4,221 87	3,433 10	2,971 51	45,553 06
Meter rents	45,782 17	1,235 20	1,483 98	35,722 73	1,263 40	367 50	36,921 97	1,338 80	500 20	47,115 51	21 38	1,070 02	172,822 86
Lake Roland	113 56	91 72	41 66	11 53	54 20		66 12	101 25	44 97	36 49	54 25	149 15	764 90
Loch Raven	20 00		35 08		39 00	23 25	14 00	4 00	46 50	262 00	14 00	5 00	462 83
Distributing mains		150 00	600 00					150 00	29 02	22 87	178 50	170 05	1,300 44
Lake Clifton			40 00			25 00			48 33				113 33
Pumps and fountains			6 00										6 00
Eastern pumping station								44 50	22 25	48 95	6 10	53 40	175 20
Lake Montebello							23 00	8 90	64 00		27 00	25 00	147 90
Jones' Falls conduit									10 00	15 00			25 00
Eastern pumping station, pump					47 31				34 30				81 61
Current expenses									25 00				25 00
Fire-plugs												1 00	1 00
Real estate												300 00	300 00
	$124,841 86	$242,994 64	$70,196 73	$68,251 02	$55,633 27	$24,062 66	$65,408 47	$20,070 74	$15,675 53	$61,524 54	$12,298 02	$24,660 54	$785,618 02

Appropriations made by Mayor and City Council:	
For nineteen fire-plugs erected	$1,425 00
For twenty drinking fountains	1,635 00
For removing fountain and erecting same	50 00
Received water tax	57,944 89
Total	$846,672 82

STATEMENT F.

Disbursements of the Water Department for the Year 1894.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Gunpowder permanent supply										$3,395 56			$ 3,395 56
Distributing mains	$7,902 32	$5,275 75	$5,416 27	$8,082 73	$6,524 62	$8,262 78	$8,512 55	$5,390 07	$5,083 90	15,056 31	$7,572 17	$4,783 07	87,862 54
Fire-plugs	161 33	138 05	185 88	310 49	452 61	348 44	172 65	160 40	330 48	194 47	127 79	139 17	2,724 76
Pumps and fountains	79 70	97 38	111 87	203 32	689 61	296 28	89 34	83 00	247 64	154 92	164 08	100 63	2,317 77
Tools and fixtures	107 13	127 51	140 63	73 35	45 34	38 50	50 05	139 07	55 48	34 59	142 01	121 76	1,075 40
Returned money		75 96	76 08	366 72	92 95	99 19	105 64	115 32	87 39	14 14	24 12	22 65	1,080 16
Plumbing department	1,635 32	2,001 01	1,946 72	2,946 42	2,678 25	3,115 74	2,988 29	2,793 25	3,472 77	1,710 95	2,922 02	1,616 12	29,826 86
Repairs	1,908 07	1,411 12	1,596 73	1,509 97	1,878 87	1,714 68	1,867 54	2,225 68	1,729 49	1,297 18	2,880 39	1,581 01	21,600 73
Lake Montebello	239 09	211 84	158 57	173 44	283 26	243 85	308 67	334 57	329 61	274 15	294 09	262 17	3,113 31
Current expenses	1,077 89	479 63	389 93	481 46	787 82	486 96	665 88	483 30	427 13	341 39	730 55	610 27	6,962 21
Western pumping station	629 51	806 31	435 07	1,031 19	443 59	1,933 28	2,663 34	1,467 29	413 61	140 38	242 61	638 74	10,844 92
Lake Roland	209 93	284 32	250 51	241 25	264 45	288 15	251 67	650 44	383 46	224 62	320 68	319 86	3,689 34
Engineer's Department	616 66	674 99	674 99	674 99	674 99	674 99	959 59	674 99	1,188 18	674 99	674 99	674 99	8,839 34
Registrar's Department	2,144 95	2,139 96	2,174 96	2,174 96	2,174 96	2,174 96	2,174 96	2,174 96	2,174 96	2,174 96	2,174 96	2,174 96	26,034 51
Temporary supply	56 75	50 00	50 00	50 00	50 00	50 00	50 00						356 75
Hampden reservoir	30 32	24 76	22 51	66 80	85 97	40 05	135 53	161 38	92 77	186 91	120 29	27 06	994 35
Loch Raven	165 01	122 96	202 29	718 49	777 81	725 41	557 29	685 65	656 79	2,171 01	1,460 19	221 67	8,464 57
Lake Clifton	159 96	151 66	121 56	170 88	205 81	322 94	307 74	301 70	342 70	328 83	409 41	189 84	3,013 03
Druid Lake	65 07	165 99	63 12	141 93	121 23	232 18	285 04	160 86	304 27	173 36	261 96	63 70	2,038 71
Mount Royal reservoir	85 02	50 56	45 41	69 09	85 59	69 48	71 97	45 41	45 41	75 29	45 41	46 31	734 95
High service reservoir	10 00	20 00	20 00	21 62	22 86	31 20	24 11	69 52	14 15	29 92	20 00	10 00	293 38
Water courses	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	1,134 96
Jones' Falls conduit	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	120 00
Eastern pumping station	2,168 55	953 55	789 71	592 63	706 76	947 71	647 04	1,196 49	1,703 51	1,072 25	2,569 20	1,844 07	15,191 47
Guilford reservoir	129 86	67 53	63 86	85 26	89 04	64 16	54 80	110 40	85 30	133 68	116 19	185 95	1,186 03
Stationery and printing		236 23	44 65	333 84	371 30		60 65	77 86		45 84	522 89	177 15	1,870 41
Pumpingstern pumping station	15,229 00	43 47	171 46	18,978 14	374 55	2,718 58	11,888 88	135 25	89 00				49,628 33
Gunpowder real estate		3,264 98	4 80	35 00									3,304 78
Real estate												8 00	8 00
	$31,919 02	$18,980 10	$15,262 16	$39,638 53	$19,986 82	$24,984 09	$34,997 80	$19,741 44	$19,362 58	$30,010 28	$23,900 58	$15,923 73	$297,707 13
Eight months' interest on $4,000,000.00 water stock													135,086 68
Twelve months' interest on $6,500,000.00 water stock													310,000 00
Total disbursements for the year													[illegible]

STATEMENT G.

New Supplies for the Year 1894.

304	houses	@$ 3 00	$ 912 00	
312	"	@ 5 00	1,560 00	
961	"	@ 6 00	5,766 00	
406	"	@ 7 00	2,842 00	
77	"	@ 7 50	577 50	
179	"	@ 8 00	1,432 00	
105	"	@ 9 00	945 00	
61	"	@ 10 00	610 00	
19	"	@ 11 00	209 00	
59	"	@ 12 00	708 00	
64	"	@ 13 00	832 00	
3	"	@ 14 00	42 00	
2,550				$16,435 50
4	warehouses	@ 6 00	24 00	
4	"	@ 8 00	32 00	
4	"	@ 10 00	40 00	
2,562				96 00
				$16,531 50
95	baths	@ $2 00	$190 00	
1	W. C	@ 2 00	2 00	
333	hose	@ 3 00	999 00	
66	horses	@ 1 50	99 00	
	Amts. carried forward		$1,290 00	$16,531 50

STATEMENT G—Concluded.

Amounts brought forward..			$1,290 00	$16,531 50
27 carriages	@	1 50	40 50	
46 cows	@	1 00	46 00	
14 offices.....	@	4 00	56 00	
10 churches	@	5 00	50 00	
4 motors	@	25 00	100 00	
8 bars.....	@	5 00	40 00	
3 drugs.....	@	3 00	9 00	
1 bottling establishment	@	10 00	10 00	
4 gas engines.....	@	10 00	40 00	
1 special rent... .	@	240 00	240 00	
1 "	@	20 00	20 00	
1 "	@	50 00	50 00	
1 trough	@	20 00	20 00	
1 florist	@	7 50	7 50	
1 fish pond.....	@	5 00	5 00	
2 green-houses....	@	5 00	10 00	
4 "	@	2 50	10 00	
		PER P. H.		
1 60-h. p. boiler...	@	3 00	180 00	
				2,224 00
Producing a yearly revenue of				$18,755 50

STATEMENT H.

Abatements Condensed for the Year 1894.

	1891.	1892.	1893.	1894.
Vacancies....	$501 92	$606 68	$2,832 63	$1,789 65
Duplicates and torn down.....	545 75	718 50	1,608 43	2,450 26
Hose	24 00	23 00	123 25	300 00
Horses.....	9 00	1 50	54 75	118 50
Carriages	9 00	1 50	15 00	43 75
Bars.....	32 75	28 00	88 16	225 66
Reductions...	9 00	18 00	81 50	93 00
Specials.....	163 00	106 00	419 16	739 17
	$1,294 42	$1,503 18	$5,222 88	$5,759 99

Total amount of abatements for the year $13,780.47

STATEMENT I.

Comparative Statements of Receipts for the Years 1892, 1893 *and* 1894.

1892		1893		1894	
1892 Water rents	$403,295 70	1893 Water rents	$414,596 41	1894 Water rents	$421,419 85
1891 "	125,215 84	1892 "	13,043 12	1893 "	131,124 84
1890 "	5,413 66	1891 "	7,412 09	1892 "	6,086 44
1889 "	2,695 25	1890 "	2,675 49	1891 "	2,349 16
Meter rents	159,459 86	Meter rents	178,292 67	Meter rents	172,822 86
	$696,080 31		$733,407 78		$733,803 15
Less discount on 1892 water rents	33,297 31	Less discount on 1893 water rents	35,016 46	Less discount on 1894 water rents	34,437 11
	$662,783 00		$698,391 32		$699,366 04
Interest on back water rents	2,471 14	Interest on back water rents	2,994 91	Interest on back water rents	2,858 60
Plumbing bills	109,097 46	Plumbing bills	58,384 27	Plumbing bills	45,553 06
Distributing mains	1,625 98	Distributing mains	2,754 64	Distributing mains	1,300 44
Lake Roland	1,569 15	Lake Montebello	103 79	Lake Montebello	147 90
Profit and loss	22 00	Loch Raven	331 05	Loch Raven	462 83
Loch Raven	610 36	Lake Roland	1,366 16	Lake Roland	764 90
Lake Montebello	124 59	Eastern pumping station	14 28	Eastern pumping station	175 20
Jones' Falls conduit	7 00	Pumps and fountains	3 00	Pumps and fountains	6 00
Pumps and fountains	26 00	Jones' Falls conduit	40 80	Jones' Falls conduit	25 00
High-service pump-house	7 00	Fire-plugs	2 00	Fire-plugs	1 00
Lake Clifton	196 23	Hampden reservoir	62 60	Lake Clifton	113 33
High-service reservoir	7 00	Lake Clifton	39 55	Eastern pumping station—pump	81 61
Druid Lake	29 60	Western pumping station	35 20	Current expenses	25 00
Fire-plugs	150 00	Druid Lake	5 20	Real estate	300 00
Appropriations by Mayor and City Council	3,145 00	Guilford Reservoir	33 60	Appropriations by Mayor and City Council	3,110 00
		Appropriations by Mayor and City Council	7,100 00		
	$781,871 51		$771,662 37		$754,290 91
Water tax	54,608 85	Water tax	52,702 66	Water tax	57,944 80
	$836,480 36		$824,365 03		$812,235 71

STATEMENT K.

Balances Remaining on the Ledgers of the Water Department December 31, 1894.

1894 water rents	$140,472 87
1893 " "	9,170 61
1892 " "	3,850 78
Plumbing bills	9,269 46
Meter rents	1,235 52
	$163,999 24

STATEMENT L.

Revenues from 1895 *Ledgers, January* 1, 1895.

24,134	houses	@	$3 00	$72,402 00	
12,376	"	@	5 00	61,880 00	
15,980	"	@	6 00	95,880 00	
9,866	"	@	7 00	69,062 00	
7,163	"	@	8 00	57,304 00	
3,979	"	@	9 00	35,811 00	
3,540	"	@	10 00	35,400 00	
1,515	"	@	11 00	16,665 00	
4,146	"	@	12 00	49,752 00	
3,176	"	@	13 00	41,288 00	
					$535,444 00
85,875					
271	warehouses	@	$6 00	$1,626 00	
538	"	@	8 00	4,304 00	
1,120	"	@	10 00	11,200 00	
					17,130 00
87,804					
6,612	hose	@	$3 00	$19,836 00	
2,579	horses	@	1 50	3,868 50	
1,357	carriages	@	1 50	2,035 50	
399	bars	@	3 00	1,197 00	
1,363	"	@	5 00	6,815 00	
1,858	H.P.boilers	@	3 00	5,574 00	
252	offices	@	4 00	1,008 00	
248	churches	@	5 00	1,240 00	
					41,574 00
					$594,148 00
Specials, embracing rents, motors, etc					32,965 09
Meters and indicators (estimated)					200,000 00
					$827,113 09

Acting Chief Engineer's Report.

REPORT.

OFFICE OF THE ACTING CHIEF ENGINEER—CITY HALL,

BALTIMORE, January 1, 1895.

To the Honorable the President and
Members of the Water Board:

GENTLEMEN:

I herewith beg leave to submit the following report of the Engineer's Department for the year ending December 31, 1894.

There were laid in the following localities additional mains:

Twelve-inch lines on Oxford avenue, west of the York road, length 105 feet; cost $151.85. Gorsuch avenue, west of Harford road, length 234 feet; cost $419.83.

Ten-inch lines on Roland avenue, between Third and Fourth avenues, length 133 feet; cost $142.79. On Pratt street, from Fremont avenue to Scott street, to Ramsay street, length 1,310 feet; cost $1,538.88.

An eight-inch line on Mill street, from Pratt to Locust streets, to Conn street, length 1,418 feet; cost $1,580.14.

Six-inch lines on Twenty-fifth street, between Calvert street and Huntington avenue extended, thence to Thirtieth street to Remington avenue, to United States Marine Hospital, length 5,114 feet; cost $3,274.81.

Third avenue, between Falls road and Chestnut avenue, thence to First avenue, to Cedar avenue, length 4,482 feet; cost $2,794,50. Franklin road, from Bloomingdale road to Western Electric Works, length 1,357 feet; cost $659.48.

Eleventh street (Waverly), between Frisby and Independence streets, length 1,131 feet; cost $797.38.

Townsend street, between Belair avenue and Cannon street, and Cannon between Townsend street and North avenue, length 781 feet; cost $464.25. Northwest street west of Bloomingdale road and Tenth street south of Northwest street, length 724 feet; cost $404. Linden avenue between Ducatel and Whitelock streets, length 699 feet; cost $460.75. Lanvale between Chester and Wolfe streets, length 641 feet; cost $440.27. Locust street between Conn street and Union Dock, thence to Bay Line Wharf, length 592 feet; cost $449.02.

Four-inch lines.—Cedar avenue between Third avenue and the bend, length 3,271 feet; cost $1,327.36. Tenth street (Walbrook) between Clifton and Chesapeake avenues, length 1,870 feet; cost $876.69. Maryland avenue between Twenty-fifth and Twenty-third streets, and Twenty-third street between Maryland avenue and Charles street, length 1,235 feet; cost $662.37.

There were laid on Fayette street between McClellan's alley and Little Sharp street 152 feet in length of six-inch pipe on the north side of the street, to give the Baltimore Traction Company the unobstructed use of the centre of the street, and paid for by them.

Four, three and two-inch lines were also laid in the Annex, Druid-street alley, rear west side thereof, both north of Old Falls road, and Clipper road south of Druid street; four-inch, length 728 feet; three-inch, length 604 feet; total cost $907.98. Small pipe was laid in this district owing to the steep grading of the streets, which will in the near future be probably changed.

There were laid 31,357½ feet of 1½-inch pipe for plumbing supplies, and 89,132 feet 7 inches of pipe for distribution.

210	feet	4	inches	1½	inch pipe.
2,854	"	2	"	2	"
7,340	"	2	"	3	"
48,095	"	8	"	4	"
27,303	"	6	"	6	"
1,418	"	4	"	8	"
1,657	"	10	"	10	"
253	"	5	"	12	"
Total. 89,132	feet.	7	inches.		

The aggregate length of all water mains in the city to date is $498\frac{3}{5}\frac{6}{2}\frac{7}{8}\frac{1}{0}$ miles, of which $16\frac{4}{5}\frac{6}{2}\frac{5}{8}\frac{2}{0}$ miles were laid during 1894. Breaks on mains were repaired to the extent of 53, and the number of fire-plugs put in order was 249. The new building supplies in 1894 were 2,562, from which an annual revenue of $18,-755.50 will be derived.

There were 823 leaks on main pipes caulked and attended to, and 129 stop-valves repaired on main lines of sizes from 2 inches to 20 inches.

There were 45 fire-plugs erected on new sites and 18 upon old sites, making the total number of fire-plugs in the city to date 1,519.

FIRE-PLUGS ERECTED ON NEW SITES.

Southeast corner McMechen street and Morris alley.
Southwest corner Scott and Pratt streets.

Northwest corner Lanvale street and Morris alley.
Northeast corner Scott and Ramsay streets.
Northeast corner Charles street and Huntington avenue.
Northeast corner Huntington avenue and Girard avenue.
Jenkins lane, between North avenue and Bartlett street.
Southeast corner Oliver and Burke streets.
Northeast corner Eastern avenue and Luzerne street.
Southwest corner Cannon street and Foster avenue.
Southeast corner Slingluff's lane and North avenue.
Southwest corner Oak street and Huntington avenue.
Northwest corner St. Paul and Seventh streets.
Northwest corner Canton avenue and Ann street.
Northeast corner Spring and Orleans streets.
Southwest corner Gough and Regester streets.
West side West Falls avenue, between Eastern avenue and Block street.
Southeast corner Lancaster and Potomac streets.
Northeast corner Chester street and Canton avenue.
Northeast corner Millington lane and Marriott street.
Southeast corner Lancaster and Cannon streets.
Northeast corner Independence and Eleventh streets.
Northeast corner Chestnut and Second avenues.
West side Franklin road, north of Lafayette avenue.
South side Third avenue, east of Roland avenue.
North side Eager street, west of St. Paul street.
Northwest corner Aisquith street and North avenue.
Northwest corner Henrietta street and V alley.

Northwest corner Bay street and Cedar avenue.
West side Broadway, south of North avenue.
Southeast corner Thirtieth and Catherine streets.
Southeast corner Calvert street and Mount Royal avenue.
Southeast corner St. Paul street and Mount Royal avenue.
North side North avenue and Dallas street.
Southwest corner Mill and Pratt streets.
Northwest corner Union Dock and Locust street.
Northeast corner Mill and Locust streets.
Northeast corner Chestnut street and McElderry's Wharf.
Foot of Union Dock.
Bay Line Wharf.
Southeast corner Eastern avenue and Mill street.
Northeast corner Chestnut and Mill streets.
East side Remington avenue, north of Thirty-first street.
Northwest corner Regester and Hoffman streets.
Northwest corner Lanvale street and Lovegrove alley.

FIRE-PLUGS ERECTED ON OLD SITES.

Northeast corner Lexington and Stricker streets.
Northeast corner Park avenue and Clay street.
Northwest corner Scott and McHenry streets.
South side Pratt street, between Parkin and Bartlett streets.
Northeast corner Ann and Thames streets.

Northwest corner Townsend and Bond streets.
Southwest corner Pennsylvania avenue and Lanvale street.
Northeast corner Bond street and Canton avenue.
Southeast corner Light and Montgomery streets.
Northeast corner Bond and Baltimore streets.
Southeast corner Biddle and McDonough streets.
North side Fayette street, west of Charles street.
North side Fayette street, west of McClellan's alley.
Northeast corner Fulton avenue and Lexington street.
Northwest corner Patterson avenue and Wilmer alley.
Southeast corner Federal street and Harford avenue.
Northeast corner Pratt and Albemarle streets.
Northwest corner Howard and Hamburg streets.
Chase street, between Eden and Caroline streets.
Southeast corner Nicholson and Hull streets.
Northeast corner Washington and Aliceanna streets.
Northeast corner Charles and Winder streets.
Southwest corner Greenmount and North avenues.

There were twenty new fountains erected, viz.:

Pearl street and Pennsylvania avenue.
Northwest corner Sharp and Camden streets.
Liberty street, south of Baltimore street.
Patterson Park avenue and Townsend street.
Aliceanna and Ann streets.
South side Biddle street, west of Valley street.
West side Central avenue, south of Lombard street.

East side Central avenue, south of Lexington street.
Southeast corner Chase and Somerset streets.
East side of Central avenue, north of Orleans street.
South side McHenry street, west of Gilmor street.
North side Canton avenue, west of Port street.
South side Hill street, east of Howard street.
West side Poppleton street, north of Lexington street.
South side Preston street, east of Druid Hill avenue.
East side Concord street, south of Pratt street.
West side Warner street, south of Barre street.
West side Penn street, south of Pratt street.
Harford avenue and Eager street.
Southeast corner Gough and Bethel streets.

There were 5 old fountains replaced by new ones viz:

Southwest corner Maryland avenue and Chase street.
Southwest corner Montgomery and Light streets.
Northwest corner Light and Winder streets.
Southwest corner German and Eutaw streets.
Intersection of Fremont and Pennsylvania avenues.

There are in the city 196 public fountains. There were 7 pumps removed and 4 repaired.

The registered consumption of water by meters and indicators was as follows:

	Gallons.
Elevators by indicators	757,746,440
Elevators by meters	8,000,000
Railroads by meters	575,047,440
Miscellaneous by meters	759,563,520
Steamboat companies by meters	56,145,680
Livery stables by meters	27,849,000
Pork packers and butchers by meters	128,311,920
Beer breweries by meters	438,748,280
Whiskey distilleries	64,604,760
Brickyards by meters	12,783,332
Coal oil refineries by meters	1,301,520
Droveyards by meters	17,278,800
Oyster and fruit packers by meters	78,149,544
Hotels by meters	78,480,160
Plaining mills by meters	53,803,640
	3,057,850,036

Included in above the registered consumption of water by meters in the county was 167,655,000 gallons.

The number and sizes of meters and the number of indicators placed in operation are as follows:

Meters	8	$\frac{3}{4}$ inch.
"	12	1 "
"	7	$1\frac{1}{2}$ "
"	20	2 "
"	20	3 "
	67	
Indicators	2	
Total	69	

The numbers and sizes of meters and number of indicators in use are:

Meters	324	¾ inch.
"	230	1 "
"	118	1½ "
"	177	2 "
"	266	3 "
"	6	3 "
	1121	
Indicators...	414	
Total.	1535	

There were sixteen meters and five indicators withdrawn from service. There were 67 meters placed in operation in 1894, also two indicators.

There were fitted up by the mechanical department:

66	2-inch stops.
93	3 "
292	4 "
76	6 "
18	round fountains.
49	5-inch fire-plugs.

And there were repaired:

1	2-inch stop.
7	3-inch stops.
5	4 "
2	6 "

The western high-service pumps in Druid Hill Park were worked 4,374 hours. There were 579,268,600 gallons water pumped into reservoir; and the consumption of anthracite coal was $797\frac{700}{2240}$ tons.

The amount expended was $7,987.71, or at the rate of $1\frac{6379}{1000}$ cents per 1,000 gallons.

The eastern high-service pumps at Ann and Oliver streets were worked 5,796 hours; there were 1,431,742,294 gallons water pumped, and the consumption of bituminous coal was $1,232\frac{1788}{2240}$ tons, and the average cost was $\frac{753}{1000}$ cents per 1,000 gallons.

The flow of Jones' Falls was greater than during the previous year.

The water in Lake Roland was muddy for 37 days. The greatest flow over dam was $3\frac{1}{2}$ feet; the lowest point the water reached below the crest of the dam was 1.29 feet.

This lake, with Druid Lake, have both been kept up by the pumping of the Gunpowder water into the western high-service reservoir, and thus relieving the Jones' Falls supply of the most of this draw that was formerly made upon it.

The average daily consumption of water from this supply was 18,263,507 gallons.

The flow of the Gunpowder River was less than the preceding year. The daily consumption of water in the city from this supply was 31,924,160 gallons, and the total number of gallons supplied the city from both streams averaged 50,187,667 gallons per day.

The work near Lake Clifton on Washington street over the 40-inch main has been completed by contract; the street regraded and opened to travel from North avenue to the lake.

The new ten-million-gallon high-duty pumping engines have been erected at the eastern pumping station, Ann and Oliver streets, and commenced work on the 19th of April, 1894.

These pumps force the Gunpowder water to either Guilford reservoir on Cold Spring lane, near the York road, or to the western high service reservoir in Druid Hill Park, and also to Druid lake.

Streets north of North avenue, west of Washington street, should be opened and graded before new lines of main are laid from Clifton reservoir. The only available outlet now is Washington street, and it has already three lines of 40-inch pipe in it as far as North avenue; south of that point there are two 40-inch mains to Lombard street.

Large mains should be kept out of streets that are now used by railroads. It is a difficult matter to repair such pipes and insure the continuous running of the cars.

The daily inspection of the tributaries of the Gunpowder and Jones' Falls supplies continue without finding anything serious or detrimental to the healthy condition of the streams from which our supplies of water are obtained.

The officers and employees of this department can again be complimented for the efficient manner in which they have performed their respective duties.

Respectfully submitted,

WILLIAM L. KENLY,

Acting Chief Engineer.

INVENTORY, 1894.

Distributing main	$68,886 17
Force main	10,066 35
Tools and fixtures	7,340 13
Plumbing department	4,151 88
Fire-plugs	3,281 80
Fountains	383 48
	$94,109 81

From.	Cash Turned Over to Water Registrar.										Bills Delivered to Water Registrar for Work Done, Etc.			
	Hay.	Straw.	Ice.	Sand.	Corn.	Wheat.	Coal.	Old Material.	Rent.	Land.	Old Material.	Service Pipes.	Mains Laid in County.	Totals.
Distributing main								$755 39			$745 05			$1,500 44
Eastern pumping station							$169 10	6 10						175 20
Loch Raven	$ 35 08	$52 50			$20 00				$107 25					462 83
Lake Roland	432 37		$78 75	$75 50		$248 00		4 80						591 42
Lake Montebello	138 00						8 90	1 00						147 90
Lake Clifton	48 33							65 00						113 33
Jones' Falls conduit	25 00													25 00
Plumbing department												$41,719 20	$844 45	42,563 65
Real estate										$300 00				300 00
Totals	$678 78	$52 50	$78 75	$75 50	$20 00	$248 00	$178 00	$832 29	$107 25	$300 00	$745 05	$41,719 20	$844 45	$45,879 77

TABULAR STATEMENT No. 1.

Size and Number of Feet of Pipe, Stop Cocks and Branches Laid in the City.

	1½-Inch.	2-Inch.	3-Inch.	4-Inch.	4½-Inch.	6-Inch.	8-Inch.	10-Inch.	12-Inch.	16-Inch.	18-Inch.	20-Inch.	30-Inch.	36-Inch.	40-Inch.	Total of Pipe.
Number of feet of pipe laid previous to purchase by Water Company		13,203	95,411	31,876	72,462	60,704	10,040	14,330	12,209	26,168	4,627	8,588	14,203			363,821
Laid by Water Commissioners from July 1, 1855, to December, 1857		1,909	14,720	28,362		5,005	613	448				9,716				60,773
By Water Board, 1858		2,948	24,438	23,742		8,692	144									59,964
" " 1859		638	22,972	40,367		14,503		6,300	108							84,888
" " 1860			20,488	35,106		22,134		7,910				14,889	1,428			101,955
" " 1861		276	8,317	15,432		8,722		5,017				1,080	8,292			47,136
" " 1862		1,140	11,065	6,562		560				490		6,599	51			26,467
" " 1863		2,729	12,223	5,696		3,744		4,560		720	1,170	1,314				32,156
" " 1864	1,784	314	20,899	8,362		6,981		13,476	405	1,962	783	1,395				56,361
" " 1865	7,929	796	16,930	11,729		3,204										40,588
" " 1866	2,903	4,413	15,813	10,864		13,048										47,041
" " 1867	1,145	14,252	17,349	8,808		6,491½		9,372								57,417½
" " 1868	1,642	4,475½	20,466½	14,759½		2,012½										43,356
" " 1869	192	4,765	16,595	9,457½		4,037½										35,047
" " 1870		8,502	11,372	10,886		600										31,360
From January 1 to October 31, 1871		6,895	11,863	13,205		8,452										40,415
" October 31, 1871, to October 31, 1872	78	6,871½	13,660½	12,479		3,425										36,514
" October 31, 1872, to October 31, 1873		4,551	10,677½	8,032½		5,405		2,150		3,400						34,216
" October 31, 1873, to October 31, 1874	36	4,402	8,169	10,525		10,959	5,795	8,537⅓								48,423⅓
" October 31, 1874, to October 31, 1875		3,542	7,544½	8,837½		11,750		4,362½				11,160	8,959½			56,156
" October 31, 1875, to October 31, 1876		1,982½	7,053½	15,383		1,050		3,212½		5,175		202½	7,215½			41,274½
" October 31, 1876, to October 31, 1877		1,289	17,246½	15,571½		7,462⅓		75	137½							41,782
By Water Board, 1878	175	1,603	7,567	11,579½		3,000		4,800		837½		425	3,312½			33,299½
" " 1879		1,603	4,490	10,876		3,160		2,038½				2,975				25,142½
" " 1880		1,882	5,057½	7,777¾		5,459¼		1,398					1,050		36,640	59,264½
" " 1881		933	9,034¾	12,290½		6,421¼	1,717	3,169¼								33,566¼
" " 1882		1,058	8,423⅜	14,788		4,522⅜		4,964⅓								33,756$\frac{10}{12}$
" " 1883		1,269⅜	12,259	18,270$\frac{10}{12}$		13,295⅜	4,624⅜	5,026				15,817$\frac{11}{12}$	2,960$\frac{6}{12}$			73,524$\frac{2}{12}$
" " 1884		947	15,990⅛	25,302		11,100	530⅛	6,665⅓								60,535
" " 1885	27	651½	16,464⅙	25,884$\frac{10}{12}$		9,520⅜	2,197⅓	4,655⅜								59,401$\frac{2}{12}$
" " 1886	140	351	20,815$\frac{5}{6}$	27,582$\frac{5}{6}$	210	6,624	187⅜	4,196⅜								60,108
" " 1887	189	1,083½	16,998$\frac{5}{6}$	20,426¼		11,093¼	4,703	19,751$\frac{6}{12}$	6,114			13,074$\frac{1}{12}$				102,433$\frac{11}{12}$
" " 1888	19	1,401	21,098	24,303⅓		11,153⅝	2,212	22,089	14,695			18,194⅜				115,165$\frac{10}{12}$
" " 1889	115	454	11,155$\frac{1}{6}$	30,360$\frac{5}{6}$		8,898⅛		8,726⅜	7,292⅛	12		10,342	6,564	17,554		101,474
" " 1890	35	1,025⅜	11,850$\frac{1}{12}$	35,286$\frac{11}{12}$		12,911$\frac{10}{12}$	481⅛	11,051$\frac{1}{12}$	6,621⅜				81	1,623	2,474	83,441$\frac{3}{12}$
" " 1891	152	1,341⅛	7,442¼	48,593$\frac{11}{12}$		22,999¼	197⅝	10,932⅜	14,224⅓	11		961	1,387	8,855		117,098¼
" " 1892	146	1,090¾	6,604⅝	48,333$\frac{1}{12}$		39,911	461⅛	15,823$\frac{5}{12}$	8,807⅞			171⅛	163⅛			121,512$\frac{5}{12}$
" " 1893	137	1,508⅓	5,388$\frac{7}{12}$	44,406⅓		16,200	7½	5,599	2,868$\frac{5}{6}$			17			1,009$\frac{5}{12}$	77,142⅜
	16,844	108,096½	585.914	761,105⅜	72,672	395,214$\frac{1}{12}$	33,911⅚	210,637$\frac{7}{12}$	73,483$\frac{5}{12}$	38,775½	6,580	117,021½	55,667¼	28,032	40,123$\frac{5}{12}$	2,544,078¾
" " 1894	210⅛	2,854⅙	7,340⅙	48,095⅜		27,303½	1,418⅛	1,656	253$\frac{7}{12}$							89,132$\frac{7}{12}$
	17,054⅛	110,950⅜	593,254⅙	809,201⅓	72,672	422,517$\frac{7}{12}$	35,330⅙	212,294$\frac{7}{12}$	73,736$\frac{12}{12}$	38,775½	6,580	117,021½	55,667¼	28,032	40,123$\frac{5}{12}$	2,633,211⅛

TABULAR STATEMENT No. 2—Main Stops.

	2-Inch.	3-Inch.	4-Inch.	6-Inch.	8-Inch.	10-Inch.	12-Inch.	16-Inch.	18-Inch.	20-Inch.	28-Inch.	30-Inch.	36-Inch.	40-Inch.	Total.
Stop cocks by Water Company	12	61	94	55	9	8	8	9	4	8		2			270
Stop cocks by Water Commissioners	9	8	8	2						2					29
By Water Board, 1858	17	23	14	3	1		1	16		1					76
" " 1859	15	30	54	16		7									122
" " 1860		18	55	36		9				4		1			123
" " 1861	7	7	24	8		3						5			54
" " 1862	21	19	31	19		1		1		4					96
" " 1863	8	20	28	2		2				1					61
" " 1864	12	18	15	4		5				1					55
" " 1865	24	13	6	2											45
" " 1866	22	24	20	4											70
" " 1867	46	22	5	5		3									81
" " 1868	7	24	19	3											53
" " 1869		7	18	3											28
" " 1870		4	7												11
January 1 to October 31, 1871	5	11	25	5											46
October 31, 1871, to October 31, 1872	10	20	23	3											56
" 1872, " 1873	7	14	25	12		2		2							62
" 1873, " 1874	4	14	52	9	6	6									91
" 1874, " 1875	3	5	31	10		6		1		6		2			64
" 1875, " 1876	1	25	66	52	2			1		1		2			150
" 1876, " 1877	5	69	50	13		2									139
By Water Board, 1878	7	29	22	2		6		4		2		1			73
" " 1879	4	15	37	6		2									64
" " 1880	3	9	46	42		12				3	8	2			125
" " 1881	4	26	41	6	2	2									81
" " 1882	5	27	36	19		5									92

By Water Board, 1883	4	50	91	67	5	10	.....	3	.....	4	.....	1	.....	.....	235
" " 1884	9	59	119	31	1	5	.....	.....	.....	.....	.....	.....	.....	.....	224
" " 1885	6	38	85	23	6	6	.....	.....	.....	.....	.....	.....	.....	.....	164
" " 1886	6	68	103	21	2	12	.....	.....	.....	.....	.....	.....	.....	.....	212
" " 1887	42	94	201	97	8	27	6	.....	.....	5	.....	.....	.....	.....	480
" " 1888	41	123	354	132	3	34	12	.....	.....	6	.....	.....	.....	.....	705
" " 1889	26	103	195	58	4	31	33	2	.....	15	.....	2	2	.....	471
" " 1890	45	147	290	86	3	28	14	.....	.....	1	.....	5	.....	1	620
" " 1891	33	134	337	88	2	32	20	1	.....	1	.....	2	4	.....	654
" " 1892	27	185	379	173	1	48	8	.....	.....	.....	.....	.....	.....	.....	821
" " 1893	49	119	326	46	.....	8	2	.....	.....	3	.....	5	.....	3	561
	546	1682	3332	1163	55	322	104	40	4	68	8	30	6	4	7364
" " 1894	62	120	268	76	4	2	1	.....	.....	.....	.....	1	.....	.....	534
	608	1802	3600	1239	59	324	105	40	4	68	8	31	6	4	7898

TABULAR STATEMENT No. 3—Main Branches.

	1½-Inch.	2-Inch.	3-Inch.	4-Inch.	4½-Inch.	6-Inch.	8-Inch.	10-Inch.	12-Inch.	16-Inch.	18-Inch.	20Inch.	30-Inch.	36-Inch.	40-Inch.	Total.
By Water Board, 1858	.....	3	78	98	.....	33	2	.....	.....	1	.....	.....	.....	.....	.....	215
" " 1859	.....	.....	53	134	.....	75	.....	32	2	.....	.....	.....	.....	.....	.....	296
" " 1860	.....	.....	68	108	.....	149	.....	29	.....	.....	.....	52	2	.....	.....	408
" " 1861	.....	.....	26	50	.....	33	.....	19	.....	.....	.....	6	34	.....	.....	168
" " 1862	.....	5	25	30	.....	4	.....	1	.....	.....	.....	16	.....	.....	.....	81
" " 1863	.....	3	29	19	.....	9	.....	7	.....	2	1	5	.....	.....	.....	75
" " 1864	3	3	40	21	.....	9	1	47	.....	5	4	4	.....	.....	.....	137
" " 1865	20	.....	47	20	.....	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	102
" " 1866	3	.....	30	24	.....	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	73
" " 1867	1	29	46	26	.....	7	.....	21	.....	.....	.....	.....	.....	.....	.....	130
" " 1868	1	6	38	43	.....	12	.....	...	.....	.....	.....	.....	.....	.....	.....	100
" " 1869	.....	5	54	32	.....	6	.....	2	.....	.....	.....	.....	.....	.....	.....	99
" " 1870	.....	9	27	39	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	76
January 1 to October 31, 1871	.....	6	22	29	.....	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	89
October 31, 1871, to October 31, 1872	.....	3	35	39	.....	10	.....	.....	...	.....	.....	.....	.....	.....	.....	87
" 1872, " 1873	.....	3	26	23	.....	14	.....	7	.....	5	.....	.....	.....	.....	.....	78
" 1873, " 1874	.....	4	17	53	.....	16	22	30	.....	1	.....	.....	.....	.....	.....	143
" 1874, " 1875	.....	5	14	26	.....	5	.....	13	.....	1	.....	29	8	.....	.....	101
" 1875, " 1876	.....	4	21	90	.....	12	.....	14	.....	21	.....	.....	9	.....	.....	171
" 1876, " 1877	.....	2	45	45	.....	23	1	8	.....	.....	.....	.....	.....	.....	.....	119
By Water Board, 1878	.....	4	20	36	.....	8	.....	.....	.....	9	.....	3	4	.....	.....	84
" " 1879	.....	2	14	41	.....	6	.....	5	.....	.....	.....	.....	.....	.....	.....	68
" " 1880	.....	.....	9	35	.....	17	.....	11	.....	.....	.....	5	.....	.....	44	121
" " 1881	.....	3	20	54	....	11	5	7	.....	.....	.....	.....	.....	.....	.....	100
" " 1882	.....	1	24	74	.....	45	.....	21	.....	.....	.....	2	.....	.....	.....	167
" " 1883	.....	3	30	104	.....	86	13	15	.....	2	.....	54	10	.....	.....	317
" " 1884	.....	3	40	123	.....	53	1	14	.....	.....	.....	.....	.....	.....	.....	234

By Water Board,	1885	.....	3	44	98	.....	58	7	17	.....	.....	.....	.....	1	.....	.....	228
" "	1886	.....	1	52	133	3	54	3	46	.....	.....	.....	.....	.....	.....	.....	292
" "	1887	2	5	64	177	3	76	7	74	20	.....	.....	57	1	.....	.....	486
" "	1888	2	3	124	253	4	167	14	73	58	.....	.....	75	2	.....	.....	775
" "	1889	1	1	54	177	4	46	3	16	11	1	.....	53	5	14	.....	386
" "	1890	2	2	75	156	8	76	6	74	31	.....	.....	1	2	2	2	437
" "	1891	2	7	51	237	3	170	4	59	64	.....	.....	2	2	27	.....	628
" "	1892	.....	3	41	238	2	147	5	124	29	.....	.....	.....	.....	.....	.....	589
" "	1893	.....	2	38	226	2	90	1	31	15	.....	.....	.....	4	.....	5	414
		37	133	1441	3111	29	1591	95	812	230	48	5	364	84	43	51	8074
" "	1894	2	4	58	221	1	147	13	19	3	.....	....	.....	1	.....	1	470
		39	137	1499	3332	30	1738	108	831	233	48	5	364	85	43	52	8544

Location, Size, Number of Feet, and Cost of Distributing Main Laid from January 1, 1894, to December 31, 1894.

Street.	Between	Size	Length.	Cost.
S. S. Cairo	West of Bruce	3	131⁴	$65 64
N. S. Reservoir	East from Bolton	4	175	79 83
Ten-foot alley west of Monroe	North from Edmondson ave.	4	245⁴	102 37
S. S. Preston	East from Guilford avenue	4	74	
		3	209⁶	176 86
Ten-foot alley east of Payson	North from Harlem avenue	4	92⁴	41 52
Ten-foot alley east of Mary	South from Clifton	3	353⁴	175 78
Presbury	West from Fulton avenue	4	151⁸	78 56
W. S. Castle	North from Canton avenue	3	24⁸	18 67
Ten-foot alley north from Presbury	East of Friendsbury place	4	254⁸	94 99
Ten-foot alley north from Clifton	East from Fulton avenue	4	111	73 15
Ten-foot alley east from Carey	North from James	4	49⁴	21 97

Eleventh street	East from Republic	10	24[8]	27 52
W. S. Penn	South of Portland	2	135[8]	66 14
Twenty-foot alley north of Lennox	West from Park avenue	4	259	112 51
N. S. Clifton ave	West from Thirteenth	4	292[5]	153 63
Herbert	East from Payson	6	135[8]	80 51
N. S. North avenue	West from Aisquith	4	4	
		6	193	123 80
Fifteen-foot alley south of Whitelock lane	West from Madison avenue	4	148	100 00
Oxford avenue	West of York road	6	86[4]	
		12	105[5]	240 82
E. S. Tinges lane	North from Gorsuch avenue	3	234[4]	86 53
Ten-foot alley west of York road	South from Oxford avenue	6	148	101 39
Frisby lane	North from Brady avenue	6	148	112 01
Twenty-foot alley east of Eutaw place	South from Ducatel	6	99[8]	63 39
W. S. Etting	North of Lanvale	3	22[4]	41 39
S. S. Chase	Ensor and Wilcox	2	150	77 01
Bartlett	South of Montebello avenue	3	149	59 11
E. S. Oak	North avenue and Twentieth	3		
Ten-foot alley rear north side North avenue	Oak and Hudson alley	3	330	185 32
E. S. of Tyler	Jefferson-st. and Gorsuch ave.	3	187	81 89

Location, Size, Number of Feet, and Cost of Distributing Main Laid from January 1, 1894, to December 31, 1894.

Street.	Between	Size	Length.	Cost.
W. S. of Harrison	Jefferson-st. and Gorsuch ave.	3	194	$ 80 92
E. S. Gutman avenue	South of Montebello avenue	3	78	34 22
E. S. Forrest	Gay and McElderry	3	150	135 12
Ten-foot east of Streeper	Hudson and Dillon	3	147[6]	71 73
Hickory avenue	Third and Fourth avenues	3	406	166 98
Ten-foot alley west of Payson	Pratt and McHenry	4	211	105 67
Mine Bank lane	Belair and North avenues	6	308	205 79
W. S. Old York road	Cator and New Boundary aves	6	150	105 63
E. S. York road	Wyanoke and New Boundary avenues	6	217	201 02
From the intersection of	Pratt-street and Fremont ave., thence west on Pratt to Scott, thence south on Scott to Ramsay	10	1,310	1,538 88
Ten-foot alley rear north side Clifton	Pennsylvania ave. and Mary.	1½	111[4]	63 13

Ten-foot alley rear north side Washington road	Bryan and Wooster	2	40 6	15 65
Castle	Eastern avenue and Bank	3	50	34 40
Ten-foot alley rear west side Caroline	Townsend st. and North ave.	3	187 6	75 96
Ten-foot alley rear west side Chester	Chew and Madison	3	45	21 02
W. S. Fourth ave. (Highlandtown)	Lombard and Pratt	3	152	58 17
Ten-foot alley rear west side Mount	Lorman st. and Patterson ave.	3	75	26 17
W. S. Charles-street ave.	Twenty-fifth and Twenty-sixth	4	85	56 51
Ten-foot alley rear south side Twenty-fifth	Yord road and Barclay	4	108	69 24
Monroe	Edmondson ave. and Pierce	4	316 10	159 33
E. S. Charles	Twenty-fifth and Twenty-sixth	4	197 4	100 14
Ten-foot alley rear S. S. Harlem avenue	Appleton and Payson	4	121 3	103 90
Twenty-foot alley rear N. S. Twenty-fifth	Charles and Maryland avenue.	4	259 10	129 05
Ten-foot alley rear E. S. Bond	Townsend and North avenue.	4	61 8	44 73
Ten-foot alley rear E. S. Appleton	Lanvale and Harlem avenue	4	307	141 86

Location, Size, Number of Feet, and Cost of Distributing Main Laid from January 1, 1894, to December 31, 1894.

Street.	Between	Size	Length.	Cost.
Ten-foot alley rear W. S. Milton	Fairmount ave. and Baltimore.	4	121	$ 56 58
S. S. Whitelock lane	Madison ave. and Eutaw place.	4	172[s]	86 22
Ten foot alley rear W. S. Andre	Clement and Beason	4	139[s]	68 74
S. S. Townsend	Spring and Caroline	6	209	128 52
Huntingdon avenue	Charles and Girard avenue	6	2,290	1,486 40
E. S. York road	Wyanoke & New Boundary av.	6	74	40 07
Old York road	Cator and New Boundary ave.	6	277	181 30
E. S. Linden avenue	Ducatel and Whitelock sts.	6	698[s]	460 75
Girard avenue	Huntingdon ave. and Catherine	6	112	137 02
W. S. Roland avenue	Merryman's la. and city limits.	6	24[s]	24 28
E. S. Sharp	Hill and Little Hughes	2	126	56 68
Wilson lane	South of Woodberry avenue.	2	189	71 62
Ten-foot alley west of Old York road	North of Carroll avenue	2	235	81 82

Ten-foot alley south of White	East of Monroe	4	200	147 14
E. S. Light	Randall and Heath	4	248[8]	156 89
N. S. Pierce	East from Monroe	4	333	139 91
Jefferson	East of Patterson Park ave.	4	24[8]	12 17
Lanvale	East of Ensor	4	98[8]	58 78
E. S. Rubes court	North of Eleventh	4	312[4]	151 55
Ten-foot alley west of Druid Hill avenue	North of Whitelock	4	506[4]	215 77
N. S. Lexington	East of Charles	4	43	60 73
New Boundary avenue	West of Old York road	4	275[4]	111 73
W. S. Gilmor	North of Wilkens avenue	4	144[8]	74 58
Pressbury	West of Fulton avenue	4	259[9]	114 03
Cannon	Lancaster and Hudson	4	61[8]	26 38
W. S. Independence	North of Eleventh	4	383[6]	170 05
Ten-foot alley east of Payson	South of Walbrook avenue	4	217	89 07
Ten-foot alley east of Bruce	North of Patterson avenue	4	116	51 08
Catherine	South from Girard avenue	4	127[10]	46 14
Ten-foot alley north of Walbrook avenue	East of Payson	4	480[8]	167 38
Ten-foot alley east of Ann	South of Lanvale	4	78	37 92
Third Avenue	West of Sycamore	4	24[8]	11 91
Ten-foot alley south of Mt. Royal avenue	East of Cathedral	4	181	75 91

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1894, to December 31, 1894.

Street.	Between.	Size	Length.	Cost.
S. S. Eleventh	Frisby and Independence	6	933 10	$684 59
Jefferson	East of Patterson Park ave.	6	118	100 34
N. S. Fair Oak ave	East of Old York road	6	55 4	31 16
S. S. Eleventh	East of Independence	6	197 4	104 79
Chester	North of Canton avenue	6	32 8	37 04
N. S. Fayette	St. Paul and Charles	6	389 4	280 30
Slingluff lane	South of West North avenue	10	37	48 10
Somerset	Chase and Eager	2	35	23 20
S. S. Hamilton	West from east side Charles	3	50	48 19
N. S. Hill	West of Sharp	3	37	25 39
Ten-foot alley north of Low	West of Forrest	3	28 8	17 87
Bentalou north of Eagle	and Smallwood north of Eagle	4	240 4	119 42
Ten-foot alley south of Townsend	West of Regester	4	96 4	43 70
W. S. Clinton	North of Canton avenue			
Twelve-foot alley west of Canton avenue	East of Clinton			
First street north of	Canton avenue	4	527	218 11

John street	and North avenue	4	40	19 32
N. S. Hafer	West of Stinson	4	137⁶	77 20
Ten-foot alley south of Lanvale	East of Payson	4	190	75 51
N. S. Frederick avenue	East of Monroe	4	143⁴	101 55
Barclay	North avenue and Twentieth	4	111	65 41
Ten-foot alley north of Lancaster	West of Bouldin	4	222	80 65
Ten-foot alley east of Linden avenue	North of Lennox	4	129⁸	64 16
W. S. Linden avenue	North of Whitelock	4	197⁴	73 95
E. S. Kirby lane	South of Mosher	4	555	264 53
Valley	South of Mount	4	333	168 99
Lanvale west of Payson	and Payson south of Lanvale	4	205⁴	110 31
Ten-foot alley south of Orleans	West of Edgar place	4	69⁸	54 91
Pressbury	East from Tenth	4	382⁴	137 01
Reese	North of Eleventh	4	95⁴	38 83
Eager	West of Homewood avenue	4	61⁸	41 85
Lehman	West of Millington lane	4	135	54 47
Dellwood avenue	West of Falls road	4	505⁸	204 70
W. S. Cedar avenue	North from the Bend	4	1,647⁴	675 96
S. S. Lombard	East of Garrison lane	6	234⁴	128 73

Location, Size, Number of Feet, and Cost of Distributing Main Laid from January 1, 1894, to December 31, 1894.

Street.	Between.	Size	Length.	Cost.
Third avenue	Falls road and Chestnut avenue, thence south on Chestnut avenue to First avenue, thence east on First avenue to Cedar avenue	6	3,353	$2,073 95
W. S. Franklin road	South from Lafayette avenue	6	1,356⁸	658 48
Federal	East of Washington	6	86⁴	79 74
Northwest	West of Bloomingdale road			
Tenth south of	Northwest	6	724⁴	404 00
Brady avenue	West of Valley	6	308⁴	203 02
Roland avenue	Third and Fourth avenues	10	133	142 79
S. E. corner Hollins st. and Arlington avenue		1½	48	26 00
Windsor avenue	East of Gilmor	2	16	14 53
Five-foot alley north of Wayne	East of Green	2	58	38 81
E. S. Penn	North of Dover	2	63	17 20

Fifteen-foot alley north of Lehman	West of Millington lane	3	200[4]	98 13
S. S. Frederick avenue	" " "	3		
Ten-foot alley north of Cross	West of Sterrett alley	3	276	115 70
Ten-foot alley south of Pratt	West of Woodyear alley	3	74	46 91
Little Church	West of Charles	3	155	79 10
Warner	Elbow lane and Columbia ave.	3	103	64 94
Ten-foot alley West of Forrest	South of Low	3	266	104 68
Vincent alley	North of Franklin	3	163	73 57
Stockholm	North of Washington avenue.	3	139[8]	65 38
E. S. Francis	South of Fulton avenue	4	119	62 62
Lehman	West of Millington lane	4	320[8]	112 20
Dellwood avenue	West of Falls road	4	530[4]	243 78
Clendenin	East of McCulloh			
Ten-foot alley west of Madison avenue	North of Clendenin	4	238[4]	124 23
Pulaski	South of Wilkens avenue	4	92[4]	48 16
Ten-foot alley north of Walbrook avenue	East of Pulaski	4	79	44 39
Ten-foot alley south of Preston	East of Bolton	4	111	57 12
Hafer	West of Stinson	4	82	40 23

Location, Size, Number of Feet, and Cost of Distributing Main Laid from January 1, 1894, to December 31, 1894.

Street.	Between.	Size	Length.	Cost.
Fifteen-foot alley south of North avenue	West of Broadway			
Broadway north of fifteen-foot alley	South of North avenue	4	382½	$169 85
Cedar avenue	North of the Bend	4	964⁴	398 28
Ten-foot alley west of Bethel	North of Townsend	4	178	101 24
Ten-foot alley north of Twenty-second	East of Guilford avenue			
Twenty-second and a-half	" " "	4	557⁸	245 40
Carey	North of Cumberland	4	190	78 30
W. S. Linden avenue	North of Whitelock lane	4	61⁸	24 00
Ten-foot alley west of Washington	South of Lanvale	4	201⁸	79 93
Twenty-foot alley west of First	North of Aliceanna	4	148	69 26
S. S. Fayette	West of Pine	4	98⁸	37 82

S. S. Fourth avenue	East of Roland avenue	6	160⁴	118 50
W. S. Cedar avenue	North of First avenue	6	65⁸	52 64
Townsend	East of Patterson Park ave	6	311⁴	210 26
W. S. Chestnut avenue	South of Fourth avenue	6	419⁴	252 53
S. S. Thirtieth west of	Remington avenue			
E. S. Huntingdon avenue	South of Thirtieth street	6	752	483 16
Thirteenth street south of	Walbrook avenue	6	375⁴	260 45
Lanvale	West of Castle	6	641⁴	440 27
Slingluff lane	South of North avenue	6	213⁸	108 48
Guilford avenue	North of Twenty-second st	6	153	104 86
Thirteenth street	North of Walbrook	6	135⁸	73 95
E. S. Huntingdon avenue	North of Twenty-eighth st.	6	222	131 68
Ten-foot alley north of Pratt	West of Parkin	2	24	12 27
Ten-foot alley west of Forrest	South of Low	3	24⁸	7 75
Low east of	Exeter	3	148	65 75
W. S. Light	North of Montgomery	3	111	34 80
S. S. Fayette	West of Pine	4	80	58 83
W. S. Catherine	North of Twenty-eighth st.	4	308⁴	116 40
McKim	South of Eager	4	37	33 82
Ashland avenue	East of Hopkins avenue	4	148	89 98
N. S. North avenue	East of Aisquith	4	308⁴	135 11
Ten-foot alley west of Milton avenue	Fayette and Baltimore	4	252	130 23

Location, Size, Number of Feet, and Cost of Distributing Main Laid from January 1, 1894, to December 31, 1894.

Street.	Between.	Size	Length.	Cost.
W. S. Fifth	Hudson and O'Donnell	4	616^{8}	$252 98
Ten-foot alley west of Rogers avenue	Low and Gay	4	201^{1}	119 10
Ten-foot alley north of Baltimore	West of Port			
Burke north of Baltimore		4	296	136 08
Ten-foot alley west of Caroline	South of Townsend	4	200^{1}	82 31
Rogers avenue	South of Low	4	234^{4}	113 14
Washington	Preston and Hoffman	4	160^{1}	85 28
Hollins	West of Pulaski	4	185	84 30
Ten-foot alley east of Payson	South of Herbert	4	77	51 25
McMechen	And Mount Royal avenue	4	37	22 33
Thirteen-foot alley north of Lanvale	West of Ann	4	308^{1}	126 94
New Boundary avenue	East of York road	4	61^{8}	26 54

Ten-foot alley west of Guilford avenue	South of Biddle	4	98⅛	45 75
E. S. Huntingdon avenue	North of Twenty-eighth	6	143¼	74 54
N. S. North avenue	Wolfe and Chester	6	446½	276 51
E. S. Druid Hill avenue	North of Clendenin	6	431⅛	275 30
Bay Line wharf	North to Locust to Conn	6	518	365 35
Chestnut W. of	Mill, from Conn to Locust, west to Mill, north to Chestnut	6	74	83 67
		8	740	691 24
Wooster	North and south of Herkimer	10	152½	228 70
Butcher's lane	North of North avenue	2	112	44 38
E. S. Caroline	South of Milliman	3	111	60 62
Durst alley	South of Cross	3	74	47 90
Tinges lane	North of Gorsuch avenue	3	61⅛	26 67
Ten-foot alley west of Andre	W. of Andre, N. of Clement	3	74	33 17
E. S. Frances	South of Kensett	3	135⅛	67 38
Ten-foot alley south of Biddle	West of Guilford avenue	4	91⅛	72 71
New Boundary avenue	East of York road	4	86¼	41 39
Ten-foot alley east of Monroe	North of Wilhelm	4	61⅛	62 15
Jefferson	West of Independence	4	197¼	83 69
Fifteen-foot alley west of Madison avenue	North of Clendenin	4	98⅛	50 52

Location, Size, Number of Feet, and Cost of Distributing Main Laid from January 1, 1894 to December 31, 1894.

Street.	Between.	Size	Length.	Cost.
Ten-foot alley east of Aisquith	South of North avenue	4	26⁸	$ 41 98
S. S. North avenue	East of Hope	4		
Hope	South of North avenue	4	271⁴	141 29
Tolover	North of Waverly avenue	4	369⁸	127 95
Ten-foot alley west of Forrest place	South of Biddle	4	50	31 43
E. S. Druid Hill avenue	North of North avenue	4	123⁴	62 15
Adams	South of Jefferson	4	227	97 84
Ten-foot alley east of McCulloh	South of Clendenin	4	65⁸	37 58
Ten-foot alley west of Chester	North of Townsend	4	296	116 52
Gutman avenue	South of Montebello avenue	4	234⁴	93 53
Ten-foot alley north of Chase	North of Guilford avenue	4	197⁴	114 33
Chester	South and north side North ave	4	46⁶	77 90

Madison avenue	North of Dolphin	4	163	121 26
Sharp	North of Hill	4	259	153 86
W. S. Druid Hill avenue	South of McMechen	4		
McMechen	East of Druid Hill avenue	4	271[4]	154 73
W. S. Calhoun	Lombard and Booth	4	419[4]	295 34
Vincent alley	North of Baltimore	4	86[4]	47 93
Ten-foot alley north of Baltimore	East of Monroe	4	370	158 01
Ten-foot alley west of Payson	North of McHenry	4	65[8]	46 15
Jefferson	East of Republic	4	111	54 65
Federal	Ensor and Holbrook	4	74	35 35
S. S. North avenue	East of Hope	4	234[4]	144 03
Aiken	North of North avenue			
Lanvale	Stoddard alley and Etting	4	259	138 15
Myrtle avenue	Harlem avenue and Ogston	4	123[4]	55 02
Cedar avenue	North of Second avenue	4	659[8]	253 12
Twelve-foot alley west of Carey	South of Mosher	4	141[8]	84 51
Carey	South of Mosher			
Eastern avenue	Mills st. and East Falls ave.	6	41[8]	13 12
Remington avenue	North of Thirtieth	6	678	392 73
Townsend	East of Burke			
Cannon	North and south of Townsend.	6	781	464 25

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1894, *to December* 31, 1894.

Street.	Between.	Size	Length.	Cost.
Twentieth	Guilford avenue and Hargrove alley	6	549⁸	$380 77
Cedar avenue	North of First avenue	6	542⁸	333 13
Fifteen-foot alley south of reservoir	West of Callow avenue			
Callow avenue	South of Lennox	6	599	314 97
W. S. Charles	Madison st. and Greenway al.	6	86⁴	176 13
Bolton	North of McMechen	6	98⁸	51 21
W. S. Mill	Eastern avenue and Pratt st.	8	678¹	888 90
Fifteen-foot alley south of First	East of Chestnut avenue	3	98⁸	52 23
Fremont	North of Edmondson avenue	3	79	73 07
E. S. Fulton avenue	South of Lorman	3	80	45 33
Ten-foot alley south of Low.	East of Rogers avenue	3	24⁸	3 95
Goodman alley	West and Ostend	4	239⁴	126 46

Ogsten	North of Clarke			
Myrtle avenue	North of Ogsten			
Harlem avenue	West of Myrtle avenue	4	227	144 97
Fayette	West of Howard	4	55 4	60 81
Vincent alley	North of Riggs avenue	4	37	34 45
Bruce alley	South of Lorman	4	154	82 44
Eden	North of Eastern avenue	4	49 4	45 31
Jefferson	East of Republic	4	92 4	39 99
Florence	North of Retreat			
Retreat	West of Florence	4	271 4	152 33
Filmore	East of Independence	4	398 4	170 19
Fifteen-foot alley south of Twenty-ninth	West of Huntington avenue	4	394 8	154 32
Ten-foot alley east of Pulaski	South of Clifton avenue	4	152	87 55
Chester	North and South of Mura	4	175 8	104 14
Aliceanna	Boston and Chester	4	181 4	129 52
Liberty	South of Madison	4	166 8	84 53
Waesche	Fremont and Mrytle avenues.	4	402 8	181 18
Ten-foot alley south of Low	East of Rogers avenue	4	387	180 12
Cannon	North of Townsend			
North avenue	East of Townsend	4	201 8	121 50
Lovegrove alley	South of Twenty-fourth	4	273 4	125 60
Ten-foot alley north of Fairmount avenue	West of Milton avenue	4	351 4	140 69

Location, Size, Number of Feet, and Cost of Distributing Main Laid from January 1, 1894, to December 31, 1894.

Street.	Between.	Size	Length.	Cost.
Ten-foot alley east of Linden avenue	North of McMechen			
S. S. McMechen	East of Linden avenue	4	95	$ 77 63
Collington avenue	South of Biddle			
Ten-foot alley south of Biddle	East of Collington avenue	4	505⁸	216 26
Ten-foot alley east of Luzerne	North of Baltimore			
Luzerne	North of Baltimore	4	90	51 11
Ten-foot alley south of Pratt	East of Pulaski	4	172⁸	68 79
Maryland avenue	North of Twenty-third street	4	915⁸	467 42
Twenty-fourth	North of Calvert	4	29⁸	36 28
Ten-foot alley south of Clement	East and west of Clarksen	4	615⁴	235 69
Ten-foot alley north of Fort avenue	Hanover and Race streets			

Ten-foot alley north of Clement	East of Light	4	49¼	18 31
Biddle	West of Forrest place	4	148	70 25
Wilson	East of Linden Avenue	4	180⅝	90 68
Federal	East of Aisquith	4	197¼	80 57
Twenty-foot alley north of North avenue	East of Twelfth street	4	123¼	75 16
Fifth avenue	West of Roland	4	37	26 07
McCulloh alley	North of Lanvale	6	37	53 06
S. S. Twenty-fifth	West of Calvert	6	399 2/3	341 26
Bolton	McMechen and Wilson	6	301⅝	212 31
Twenty-ninth	West of Huntingdon avenue	6	157	108 61
Twenty-eighth	West of Huntingdon avenue	6	128¼	74 99
Fremont avenue	North of Edmondson avenue	6	158	95 46
Cannon	North of Townsend	6	259	140 11
Sycamore avenue	South of Third avenue	2	105	30 80
Around Hampden Reservoir to ten-foot alley	To ten-foot alley north of Clipper run	2	91	32 21
Clipper road	South of Druid avenue	2	175	58 85
Ten-foot alley north of Clipper road	East and West of Sycamore av.	2	266	92 28
Five-foot alley east of Clipper road	South of Druid avenue	2	182	61 40
Fifteen-foot alley north of North avenue	East of Bradick avenue	2	108	41 34

Location, Size, Number of Feet, and Cost of Distributing Main Laid from January 1, 1894, *to December* 31, 1894.

Street.	Between.	Size	Length.	Cost.
Ten-foot alley south of Cross	East of Dexter	3	64⁸	$ 26 14
St. James	West of Central avenue	3	123⁴	62 56
Ten-foot alley north of Lafayette avenue	West of Carrollton avenue	3	24⁸	16 67
Bolton	South of Mosher	3	61	34 28
Dillon	West of Third street (County)	3	228	90 21
Montgomery	East of Covington	3	39	34 15
Arlington avenue	North of Pratt	3	93⁴	46 37
Clipper road	South of Druid avenue			
Druid avenue	East of Clipper road	3	604⁴	234 15
Ten-foot alley east of Light	North of Clement	4	123⁴	87 76
Ten-foot alley north of Oxford avenue	West of Boone	4	175⁸	82 90
Ten-foot alley north of Lanvale	East of Regester	4	86⁴	41 79

Ten-foot alley east of Aisquith	North of Federal	4	340	152 40
Ten-foot alley west of Friendsbury place	North of Pressbury	4	279[1]	116 05
W. S. Linden avenue	North of Whitelock lane	4	24[8]	22 75
Ten-foot alley south of Twenty-fifth	West of Crystal avenue	4	188	80 18
Hargrove alley	South of Lanvale	4	32[4]	14 67
E. S. Harford road	North of Park	4	249[8]	118 38
Bolton	South of Mosher	4	267	139 47
Clendenin	East of Druid Hill avenue			
Ten-foot alley north and south of Clendenin	West of McCulloh	4	630[8]	288 79
Ten-foot alley north of Lanvale	East of Calvert	4	172[8]	84 26
Gilmor lane	East of Barclay	4	338	172 79
Patterson Park avenue	East of Federal	4	411	224 11
Ten-foot alley north of Walbrook avenue	West of Pulaski	4	386[1]	155 14
Ten-foot alley north of Madison	East of Chapel	4	88[4]	37 39
Twenty-fourth street	East of Barclay	4	106[8]	47 22
Exeter Hall avenue	East of Harford road	4	156	90 21
Fairmount avenue	East of Port	4	111	69 99

Location, Size, Number of Feet, and Cost of Distributing Main Laid from January 1, 1894, to December 31, 1894.

Street.	Between.	Size	Length.	Cost.
Ten-foot alley south of Fayette	East of Monroe	4	271.4	$124 93
Lafayette avenue	West of Jordan			
Florence	South of Lafayette avenue	4	527	231 91
Ramsay	East of Smallwood	4	53.4	29 61
Ten-foot alley east of Linden avenue	South of Ducatel street	4	468.8	178 54
Ten-foot alley	South of Chesapeake	4	296	106 25
Ten-foot alley east of Washington	South of Lanvale	4	185	89 31
Roland avenue	South of Third avenue	4	542.8	233 25
Rutter alley	North of Lafayette avenue	4	259	131 64
Ten-foot alley east of Montford avenue	South of Fairmount avenue	4	78	35 68
Fifth avenue	West of Roland avenue			
Ten-foot alley north of Fifth avenue	North of Roland avenue	4	264	113 08

W. S. Sycamore avenue	South of Third avenue	4	641.8	253 13
Druid avenue	East of Old Falls road	4	37	39 27
Druid avenue	East of Clipper road	4	24.8	5 28
Clipper road	South of Druid avenue	4	24.8	19 52
Clendenin	West of Madison avenue	4	98.8	34 77
Fifteen-foot alley west of Butcher's lane	North of North avenue	2	143	50 81
Ten-foot alley north of Druid avenue	East of Clipper road	2	217	81 09
Ten-foot alley north of Brady avenue	West of Valley street	2	105	42 89
Seven-foot alley east of Chestnut avenue	North of Third avenue	2	61	28 05
Twelve-foot alley north of Fifth avenue	West of Roland avenue	3	185	88 62
Ten-foot alley west of Guilford avenue	North of Chase	4	135.8	75 24
Bradick avenue	South of North avenue	4	222	114 03
King	East of Linden avenue			
Ten-foot alley east of Linden avenue	North of King	4	98.8	61 43
Reese	North of Eleventh	4	212.8	107 82
Ten-foot alley east of Smallwood	North of Hollins			
Pulaski	North of Hollins	4	481	224 66

Location, Size, Number of Feet, and Cost of Distributing Main Laid from January 1, 1894, to December 31, 1894.

Street.	Between.	Size	Length.	Cost.
Aiken	North of North avenue	4	174 8	$ 68 26
Ten-foot alley west of Broadway	North of Townsend	4	229	112 00
Ten-foot alley north of Lancaster	East of Robinson	4	74	35 54
Tenth	South of Pressbury			
Pressbury	West of Tenth	4	461 4	220 32
Twelve-foot alley east of Barclay	North of Biddle			
Biddle	West of Clfton Place	4	405 8	200 07
Fairmount avenue	East of Chapel street	4	148	93 87
Federal	East of Calvert	4	213 4	120 25
Lovegrove alley	South of Lafayette avenue	4	123 4	81 56
N. S. Twenty-third	West of Charles	4	139 8	59 50
W. S. Central avenue	North of Hammond alley	4	51 4	22 30
Tenth	Chesapeake st. and Augusta av.	4	870 4	398 69
W. S. Charles	South of Conway	6	115	200 00

Twenty-second	East of York road	6	525	351 09
E. S. York road	North of Twenty-second			
Third avenue	East of Chestnut avenue	6	101^{8}	82 25
W. S. Mt. Royal ave	South of North avenue	6	246^{8}	175 30
Fayette	West of McClellan's alley	6	152	134 85
Eutaw place	South of Retreat street	6	135^{8}	80 46
Chester	South of Townsend	6	74	40 76
North avenue	West of Chester	6	481	408 66
Rear S. S. Chase	St. Paul and Hargrove alley	$1\frac{1}{2}$	51	24 12
Regester	North of Lanvale	2	116	53 70
Ten-foot alley east of Washington	North of Bokee	2	66	31 60
Ten-foot alley west of Burrough	South of Fort avenue	2	35	27 87
Vine	East of Amity	3	86^{4}	37 46
W. S. Central avenue	North of Hammond alley	3	53^{4}	35 43
Barclay	North of Lanvale	3	135^{8}	81 39
N. S. Twenty-third	Charles and Maryland avenue	4	179^{8}	135 45
Ten-foot alley south of Saratoga	East of Holliday	4	99^{8}	69 98
Ten-foot alley west of Frances	North of Whitelock lane	4	388^{4}	147 37
Ten-foot alley south of Fayette	East of Port avenue	4	74	34 98
Tenth	South of Beach avenue	4	259	114 94

Location, Size, Number of Feet, and Cost of Distributing Main Laid from January 1, 1894, *to December* 31, 1894.

Street.	Between.	Size	Length.	Cost.
Morling avenue	West of Conduit avenue.			
Conduit avenue	South of Morling avenue	6	533[4]	$311 93
Twenty-fourth	West of Oak	6	175[8]	148 95
Whitelock lane	West of Druid Hill avenue	6	234[4]	168 30
Fifth avenue	West of Roland avenue	6	98[8]	58 69
Thirteenth	North of Walbrook avenue	6	283[4]	190 74
W. S. Harford road	South of Gorsuch avenue	6	456[4]	258 87
Fifteen-foot alley west of Huntington avenue	Twenty-seventh and Twenty-eighth.	6	372	256 42
Barclay	North of Twenty-fifth.	6	281[4]	212 08
John alley	South of New	6	196[4]	104 35
Gorsuch avenue	West of Harford road	12	148	232 89
		....	89,132[7]	$49,797 47

Acting Assistant Chief Engineer.

REPORT.

OFFICE OF THE ASSISTANT CHIEF ENGINEER.

GUILFORD RESERVOIR, January 1, 1895.

MAJOR WILLIAM L. KENLY,
Acting Chief Engineer Water Department:

SIR:

I herewith respectfully submit my report for the year ending December 31, 1894.

JONES' FALLS SUPPLY.

The total flow of water on this supply was 1,079,240,000 gallons more than the preceding year. The flow of clear water over the dam was 707,240,000 gallons more, and the muddy water over the dam was 143,700,000 gallons more than during 1893.

The rainfall at Lake Roland was 0.33 inches more than the previous year.

The water in Lake Roland was muddy 37 days during the year. The greatest flow over the dam was on

May 7, when it reached a height of 3½ feet; the lowest point below the dam was on December 8, it then being 1.29 feet.

The consumption from this source has been relieved during the year by the pumps at the eastern pumping station, they doing most of the high service work and drawing from the Gunpowder supply. Harper's waste weir and the five-mile brick conduit connecting Lake Roland with Hampden reservoir continue in good condition and have been no expense, except $10 per month for superintendence. An average of 18,066,575 gallons of water per day passed through this conduit during the year, being 1,089,589 gallons per day less than last year.

HAMPDEN RESERVOIR.

This reservoir continues to do good service with but little expense to the department. A new path has been laid out through the grounds of this reservoir, giving the public a more direct walk from the Falls road to Sycamore avenue. The four 30-inch mains connecting this reservoir with Druid Lake have also done good service and been attended with no expense.

DRUID LAKE.

The water in this lake has had a greater average depth, for the same reason that Lake Roland has, it

being relieved in large measure from high-service duty. The lowest point reached was on December 21, when it was 7.1 feet out. This was caused partly by the water in Lake Roland being too muddy to turn in and by the stoppage of the eastern pumps during repairs which were being made to the section main, thus drawing all the high-service water from this lake.

The daily consumption of water from Druid Lake averaged 18,263,507 gallons—a loss of 539,881 gallons per day from the previous year.

HIGH-SERVICE RESERVOIR—DRUID HILL PARK.

There were 579,269,600 gallons of water pumped into this reservoir during the year from Druid Lake. This is 316,200,910 gallons less than was pumped last year from this source. There were also 1,423,739,294 gallons pumped by the eastern pumps at Oliver and Ann streets, pumping from the Gunpowder supply. This is an increase of 30,842,745 gallons over last year.

GUNPOWDER SUPPLY.

The total flow of water on this supply was 3,949,180,000 gallons less than the preceding year. The flow of clear water over the dam was 572,000,000 gallons more, and the muddy water over same was 2,261,050,000 gallons less than during 1893.

The average daily consumption of water from this

supply was 31,924,160 gallons, and the average daily consumption from both supplies was 50,187,667 gallons, being an increase of 2,341,827 gallons daily over 1893.

The rainfall at Loch Raven was 3.59 inches more than in 1893.

LOCH RAVEN.

The water in Loch Raven was muddy 68 days during the year, 6 days days less than in 1893. The sediment continues to increase in this reservoir, a new bar having formed opposite the keeper's house. A space for 50 feet from the gate-house was scraped down to the original bottom and the material was washed through the drain-chamber to below the dam, thereby relieving both the drain and conduit-gates. The greatest flow over the dam was on May 7, it then being 3 feet.

The seven-mile tunnel from Loch Raven to Lake Montebello has been flushed twice during the year and continues in good working order.

LAKE MONTEBELLO.

This lake is full of good, clear water, and has been so most of the year, rarely lowering more than a few

feet, and only then when the water in Loch Raven was too muddy to be turned in.

The drain-tunnel around Lake Montebello, and the tunnel connecting Lake Montebello with Lake Clifton have been in good working condition during the year, and have been attended with no expense.

LAKE CLIFTON.

This lake has been empty since May, 1892, during the repairs on the 40-inch pipe lines. The water was turned in on March 13th, and on April 9th it was full, since which time it has been practically full of good clear water.

The brick-work over the broken 40-inch mains under Washington street, was finished January 8th, and the regrading was finished June 22d.

GUILFORD RESERVOIR.

This reservoir has been practically full of clear water during the year, and has been supplying that section of the Annex east of the Falls and north of North avenue.

MOUNT ROYAL RESERVOIR.

This reservoir continues to draw its supply from

the Gunpowder, except during the warm months, when it is assisted with water from Druid Lake.

The officers and men of this division have performed their various duties in a satisfactory manner.

Respectfully submitted,

WILLIAM BENTHALL,

Ass't Chief Engineer Baltimore Water Dept.

STATEMENTS.

Acting Assistant Chief Engineer.

BALTIMORE CITY WATER WORKS.

TABLE OF RAINFALL IN INCHES.

1894.	*Jones' Falls Supply.*			*Gunpowder Supply.*		
	Lake Roland.	Hampden Reservoir.	Druid Lake.	Mt. Royal Reservoir.	Loch Raven.	Lake Montebello.
January	1.75	1.90	1.82	1.57	1.83	1.66
February ...	3.25	3.51	3.23	3.46	3.46	3.67
March	1.63	1.58	1.46	1.28	1.80	1.30
April.....	4.43	4.74	4.61	4.62	4.40	3.94
May.....	7.10	7.60	7.56	7.53	9.06	7.67
June.....	2.95	4.08	3.65	3.60	4.20	3.03
July.....	1.65	2.33	2.03	1.90	1.97	2.42
August	1.75	1.98	2.17	1.88	2.90	1.41
September ..	3.20	4.58	5.56	4.29	4.06	4.59
October	4.52	4.82	4.64	3.82	5.11	4.68
November...	1.78	2.05	2.14	2.05	2.00	1.84
December...	4.60	4.79	4.23	4.01	3.94	4.05
Totals	38.61	43.96	43.10	40.01	44.73	40.26

Respectfully submitted,

WILLIAM BENTHALL,

Acting Ass't Chief Engineer.

Gunpowder Water Supply for the Year Ending December 31, 1894.

MONTH.	NUMBER OF GALLONS.										
	Rain Fall in Inches.	Clear Water Over Loch Raven Dam.	Muddy Water Over Loch Raven Dam.	Waste Water From Bottom Gates Loch Raven Gate House.	Clear Water Sent to Lake Montebello From Loch Raven.	Total Flow of the Gunpowder Per Month.	Average Flow of Stream Per Day.	Sent to City During the Month.	Average Sent to City Per Day.	Sent to City From Both Supplies Per Day.	Pumped From Eastern High-Service Pumping Station.
January	1½	3,024,000,000	402,000,000	.....	1,474,000,000	4,900,000,000	158,000,000	853,000,000	27,516,130	43,516,130	115,797,217
February	3½	3,883,000,000	802,000,000	1,344,000,000	1,365,000,000	7,394,000,000	215,000,000	784,000,000	28,000,000	44,500,000	109,263,272
March	1½	3,774,000,000	1,043,000,000	1,165,000,000	1,458,000,000	7,440,000,000	240,000,000	829,000,000	26,742,000	45,569,100	12,419,080
April	4¼	4,172,400,000	3,125,550,000	1,080,600,000	1,152,000,000	9,530,550,000	317,700,000	835,540,000	27,851,000	45,363,000	97,978,632
May	8	2,879,000,000	9,754,200,000	864,500,000	959,700,000	14,457,400,000	466,368,000	871,000,000	28,000,000	45,467,000	128,244,852
June	3¼	3,303,000,000	1,891,000,000	1,133,300,000	1,563,700,000	7,891,000,000	263,033,000	915,000,000	30,500,000	50,351,000	153,072,029
July	2	2,577,000,000	2,278,000,000	873,900,000	1,386,300,000	7,115,200,000	229,523,000	1,173,305,000	37,850,000	56,983,000	159,089,158
August	1¾	1,303,200,000	763,900,000	845,700,000	1,449,300,000	4,362,100,000	140,713,000	1,327,706,000	42,829,000	62,956,000	202,108,800
September	4¼	1,435,000,000	3,554,300,000	2,706,300,000	1,043,470,000	8,739,070,000	271,302,300	1,049,925,000	34,997,500	53,536,500	191,393,228
October	4¼	1,689,000,000	2,915,000,000	1,848,000,000	961,000,000	7,413,000,000	239,130,000	1,023,780,000	33,025,200	51,403,200	163,607,300
November	2	2,770,200,000	1,594,200,000	710,400,000	1,335,100,000	6,409,900,000	213,663 300	932,761,000	31,092,000	51,052,800	22,404,322
December	4	2,721,200,000	2,118,800,000	1,222,400,000	1,323,200,000	7,385,600,000	238,245,200	1,057,300,000	34,106,450	50,890,860	77,361,404
Totals	40¼	33,531,000,000	30,241,950,000	13,794,100,000	15,470,770,000	93,037,820,000	254,898,082	11,652,317,000	31,924,160	50,187,667	1,432,739,294

Jones' Falls Supply for the Year Ending December 31, 1894.

MONTH.	NUMBER OF GALLONS.									
	Rain Fall in Inches.	Clear Water Over Lake Roland Dam.	Muddy Water Over Lake Roland Dam.	Water From Bottom Gates Lake Roland Gate House.	Clear Water Sent Through Conduit Gates Lake Roland.	Total Flow of Jones' Falls Per Month.	Average Flow of Stream Per Day.	Sent to City During the Month.	Average Sent to City Per Day.	Pumped From Druid Lake to High Service Reservoir.
January	1¾	211,000,000	.....	36,000,000	493,000,000	740,000,000	24,000,000	496,000,000	16,000,000	18,912,900
February	3¼	513,000,000	.....	.....	481,000,000	994,000,000	35,500,000	462,000,000	16,500,000	14,082,150
March	1½	384,000,000	.....	43,000,000	547,000,000	974,000,000	31,400,000	583,643,000	18,827,100	137,336,850
April	4½	310,000,000	.....	340,000,000	524,000,000	1,174,000,000	39,100,000	525,358,000	17,512,000	52,104,150
May	7½	568,900,000	422,900,000	535,700,000	520,600,000	2,048,100,000	66,070,000	541,483,000	17,467,000	52,543,800
June	3½	188,500,000	.....	286,500,000	586,000,000	1,061,000,000	35,370,000	595,516,000	19,851,000	26,835,500
July	2	81,100,000	.....	.....	605,600,000	686,700,000	21,830,000	593,110,000	19,133,000	41,524,950
August	2	7,060,000	.....	.....	620,080,000	627,140,000	20,230,000	623,937,000	20,127,000	2,647,950
September	4½	38,000,000	.....	21,600,000	556,280,000	615,880,000	20,529,000	556,268,000	18,539,000	.....
October	4¾	44,300,000	.....	69,200,000	560,200,000	673,700,000	21,732,000	569,730,000	18,378,000	27,793,800
November	2	103,660,000	.....	37,000,000	597,000,000	737,660,000	24,589,000	598,824,000	19,960,800	134,057,250
December	4½	228,720,000	83,800,000	216,000,000	503,540,000	1,032,060,000	33,292,000	520,311,000	16,784,200	71,430,300
Totals	41¾	2,678,240,000	506,700,000	1,585,000,000	6,594 300,000	11,364,240,000	31,134,904	6,666,180,000	18,263,507	579,269,600

Respectfully submitted, WILLIAM BENTHALL,

Acting Assistant Chief Engineer Baltimore Water Department

THE

BALTIMORE CITY COLLEGE

REGISTER.

1894-95.

COMMITTEE

— OF THE —

Board of Commissioners of Public Schools.

John T. Foley, Esq., *Chairman.*

James Bosley, M.D.,

James W. Denny, Esq.,

Merville H. Carter, M.D.,

President John T. Morris, *Ex-officio,*

Superintendent Henry A. Wise, *Ex-officio.*

COLLEGE CALENDAR.

'94-'95.

FIRST TERM.

1894.

Sept. 3, Monday.....Opening of Session.
" 5, Wednesday..Special Examination for Admission.
" 12, Tuesday.....Old Defenders' Day.
Nov. 21, Wednesday..Second Quarter begins.
" 29, Thursday ...Thanksgiving Day.
Dec. 21, Friday.....Christmas Vacation begins.

1895.

Jan. 2, Wednesday .Resumption of Exercises.
Feb. 9, Saturday....First Term ends.

SECOND TERM.

Feb. 11, Monday.....Third Quarter begins.
" 22, Friday.....Washington's Birthday.
April 10, Wednesday..Arbor Day.
" 11, Thursday....Easter Vacation begins.
" 16, Tuesday.....Resumption of Exercises.
" 26, Friday.....Fourth Quarter begins.
May 30, Thursday ...Decoration Day.
June 17, Monday.....Commencement Day.

'95-'96.

FIRST TERM.

1895.

Sept. 2, Monday.....Opening of Session.
" 4, Wednesday..Special Examination for Admission.

HISTORICAL NOTES.

1839. By a resolution of the Mayor and City Council of the 7th of March, 1839, the Commissioners of Public Schools were requested to establish a High School, "in which the higher branches of English and classical literature only should be taught." This resolution was promptly carried into effect. The school was organized about the 20th of October of that year (Nathan C. Brooks, A.M., Principal), and was at first known simply as the High School.

In 1848 the Eastern and Western High Schools having in the meantime been established, this school was denominated the Central High School of Baltimore.

In 1851 (Francis Waters, D.D., Principal), "it was determined to reorganize the school upon a new plan upon its opening in September. This reorganization consists principally in dividing the course of study into distinct departments, and adopting a new order of exercises, and new regulations with reference to discipline. Each instructor is alloted to a particular department, and all the students in the school receive instruction from him in the studies of that department."—(School Report, 1851, p. 17.) The first Public Day for conferring the honors of the school was observed November 27, 1851.

In the autumn of 1857 (Thomas D. Baird, Principal,) under authority of an ordinance of the Mayor and City Council, the Board of Commissioners of Public Schools arranged with the Trustees of the Peabody Institute for the annual distribution of the prizes under the Peabody Foundation, and the prizes were accordingly first awarded July 22, 1858.

By an ordinance of the Mayor and City Council, approved October 5, 1866, the name of the school was changed to The Baltimore City College.

In 1877 the course of study was extended from four to five years.

PROFESSORS AND INSTRUCTORS SINCE THE ORIGIN OF THE SCHOOL.

Nathan C. Brooks, A.M., LL.D., Principal, 1839. Resigned, 1849.

James Crapster, Assistant Teacher, 1840. Resigned 1842.

William Gibson, A.M., M.D., Assistant Teacher, 1842. Resigned, 1849.

James McIntire, M.D., Assistant Teacher, 1842. Professor of Mathematics and Astronomy, 1851. Professor of Astronomy, 1870. Retired, 1875.

William Minifie, Teacher of Drawing, 1845. Resigned, 1850.

Rev. E. J. Stearns, Assistant Teacher, 1846. Resigned, 1847.

A. Freitag, J. U. D., Teacher of Modern Languages, 1846. Resigned, 1848. Professor of German and Spanish and Assistant in the Classical Languages, 1849. Resigned, 1855.

Edward Duffy, Assistant Teacher, 1847. Resigned, 1851.

J. L. La Reintrie, Professor of French and Spanish, 1848. Died, 1859.

E. Frey, Teacher of German, 1848, one year.

David Bixler, Assistant Teacher, 1848. Transferred to M. G. School No. 1, 1851.

Francis Waters, D.D., Principal, 1849, and Professor of the Classical Languages, and of Mental and Moral Science, 1851. Resigned, 1853.

M. A. Newell, A.M., Assistant Teacher, 1850. Professor of Natural Sciences, 1851. Resigned, 1853.

Rev. Robert Piggot, Teacher of Drawing and Writing, 1850. Retired, 1852.

James Harshaw, Assistant Teacher, 1851. Transferred to M. G. No. 12, 1854.

D. A. Hollingshead, A.M., Assistant Teacher, 1851. Transferred to Western High School, 1854.

William Elliott, Jr., A.M., Assistant Teacher, 1851. Adjunct Professor of Mathematics, 1855. Professor of Mathematics, 1857. Principal and Professor of Higher Mathematics, 1873. Died, 1890.

Joseph Strong, Teacher of Graphics, 1852. Resigned, 1853.

John A. Getty, A.M., Principal, and Professor of the Classical Languages, and of Mental and Moral Science, 1853. Died, 1854.

Montgomery Johns, A.M., M.D., Professor of Natural Sciences, 1853. Resigned, 1854.

David McIntire, Teacher of Writing and Book-keeping, 1853. Resigned, 1854.

H. Newell, Teacher of Drawing, 1853. Resigned, 1854.

John F. Monmonier, M.D., Professor of Physiology, 1853. Professorship abolished and Physiology transferred to the Professorship of Natural Sciences, 1855.

Reginald N. Wright, A.M., M.D., Professor of Natural Sciences, 1854. Resigned, 1862.

James R. Webster, Teacher of Writing and Book-keeping, 1854. Died, 1882.

George Morrison, A.M., Principal, and Professor of the Classical Languages, and of Mental and Moral Science, 1854. Resigned, 1857.

William R. Creery, A.M., Professor of Belles Lettres, 1854. Resigned, 1859.

David A. Woodward, Professor of Drawing, 1854. Re signed, 1857.

John B. Wentz, A.M., Assistant Teacher of German and Latin, 1854. Professor of German, and Adjunct Professor of Latin and Greek, 1857. Resigned, 1862.

Peter Unger, Ph. D., Professor of German, 1855. Retired, 1858.

Matthew H. Wright, Tutor of Mathematics (definite appointment for one year), 1857.

Thomas D. Baird, Ph.D., LL.D., Principal, and Professor of the Ancient Languages, and of Mental and Moral Philosophy, 1857. Died, 1873.

J. Asbury Morgan, A.M., Vice-Principal, and Professor of the Latin and Greek Languages, 1858. Resigned, 1860. Re-appointed, 1862. Died, 1879.

Perley R. Lovejoy, A.M., Professor of Belles Lettres, 1859. Professor of History and Rhetoric, 1866. Retired, 1868.

Charles H. Dupuy, Professor of the French and Spanish Languages, 1859. Resigned, 1862.

Rev. William M. Heilig, A.M., Adjunct Professor of the German Language and of History, 1860. Retired, 1866.

George A. Witte, A.M., Professor of the German and French Languages, 1862. Retired, 1866. Reappointed Professor of the German Language, 1868. Professor of German and French, 1869. Retired, 1870.

Henry C. Wentz, Professor of Natural Sciences, 1862. Retired, 1866.

J. J. G. Webster, Professor of Belles Lettres *ad interim*, (one year), 1863.

J. Willis Westlake, A.M., Professor of the English Language and Literature, 1866. Professorship consolidated with that of Rhetoric and History, 1869.

Edmund G. Waters, M.D., Professor of Natural Sciences, 1866. Resigned, 1868.

Samuel E. W. Becker, Ph.D., Professor of the French and Latin Languages, 1866. Resigned, 1868.

L. R. Peet, Professor of the German Language, 1866. Resigned, 1868.

Henry E. Shepherd, Professor of History and Rhetoric, 1868. Professor of History and English Literature, 1869. Resigned, 1875, to become Superintendent of Public Instruction, Baltimore.

David T. Millard, M.D., Professor of Natural Sciences, 1868. Resigned, 1873.

Charles H. Moore, M.D., Professor of the French and Latin Languages, 1868. Retired, 1869. Reappointed Professor of German and French, 1870. Died, 1871.

Andrew S. Kerr, Professor of Mathematics, 1870. Professor of Mathematics and Astronomy, 1875. Resigned, 1880, to become Principal of the Western Female High School, Baltimore.

A. L. Milles, B.A., Professor of the French Language, 1871. Professor of French, and Adjunct Professor of Latin, 1876.

Charles F. Raddatz, Professor of German and History, 1871. Vice-Principal, and Professor of German and History, 1890.

Chapman Maupin, M.A., Professor of Latin, 1873. Professor of Latin and Greek, 1879. Resigned, 1882.

Powhatan Clarke, M.D., Professor of Natural Sciences, 1873.

Alexander Hamilton, Tutor, 1874. Adjunct Professor of English and Mathematics, 1876. Professor of English and Mathematics, 1891.

Charles C. Wight, Professor of History and English Literature, 1875

Richard W. Preece, Professor of Drawing, 1875. Resigned, 1894.

Stephen F. Norris, Tutor, 1876. Adjunct Professor of Mathematics and Latin, 1884. Professor of Mathematics and Astronomy, 1890.

Heningham Gordon, B.A., Tutor, 1876. Resigned, 1881.

Nathan H. Thayer, A.M., Adjunct Professor of Natural Sciences, 1877. Retired, 1878.

Francis A. Soper, A.M., Professor of Mathematics and Astronomy,1880. Principal, and Professor of Higher Mathematics, 1890.

Alfred Z. Hartman, A.M., Tutor, 1880. Adjunct Professor of Latin, 1882. Professor of Latin and Greek, 1882.

G. Emory Morgan, Tutor, 1881. Adjunct Professor of Latin and Physiology, 1885. Adjunct Professor of Latin and English Literature, 1886. Professor of Latin and English Literature, 1894.

Joseph H. Elliott, Tutor, 1882. Professor of Book-keeping and Penmanship,1883. Secretary of the Faculty, and Professor of Bookkeeping and Penmanship, 1890.

Adoniram J. Robinson, A.B., Tutor, 1882. Retired,1887.

J. Newman Hank, A.M., Adjunct Professor of Latin and Greek, 1882. Professor of Latin and Mental Philosophy, 1887.

Philip H. Friese, Tutor, 1883. Adjunct Professor of Natural Sciences and English, 1888.

Julius G. Miller, Adjunct Professor of Mathematics and Latin, 1890.

Robert Clinton Cole, A.M., Professor of History and Political Economy, 1890.

Henry Skinner West, A.B., Professor of Drawing, 1894.

Wilbur Fisk Smith, Adjunct Professor of Mathematics and English, 1894.

FACULTY.

1894-'95.

FRANCIS A. SOPER, A.M., PRINCIPAL,
Professor of Higher Mathematics.

CHARLES F. RADDATZ, VICE-PRINCIPAL,
Professor of German and History.

A. L. MILLES, B.A.,
Professor of French, and adjunct Professor of Latin.

POWHATAN CLARKE, M.D.,
Professor of Natural Sciences.

CHARLES C. WIGHT,
Professor of English Literature and History.

ALFRED Z. HARTMAN, A.M.,
Professor of Latin and Greek.

J. NEWMAN HANK, A.M.,
Professor of Latin and Mental Philosophy.

JOSEPH H. ELLIOTT, SECRETARY OF THE FACULTY.
Professor of Book-keeping and Penmanship.

STEPHEN F. NORRIS,
Professor of Astronomy and Mathematics.

ROBERT C. COLE, A.M.,
Professor of History and Political Economy.

ALEXANDER HAMILTON,
Professor of English and Mathematics.

GERARD E. MORGAN, A.M.,
Professor of Latin and English Literature.

HENRY SKINNER WEST, A.B.,
Professor of Drawing.

PHILIP H. FRIESE,
Adjunct Professor of Natural Sciences and English.

JULIUS G. MILLER,
Adjunct Professor of Mathematics and Latin.

WILBUR FISK SMITH,
Adjunct Professor of Mathematics and English.

GRADUATES.

1894.

FRANK RINGGOLD BLAKE,
WILLIAM SAMUEL VINTON BLAKE,
ALBERT COTTIER COOLEY,
SPENCER LIVINGSTONE DAVIDSON,
WILLIAM ARTHUR DONALDSON,
GEORGE FREDERIC GOURLEY,
JESSE VINTON HOBBS,
CHARLES VON ODEN HUGHES,
VAN VERT KLINEFELTER, JR.,
WILLIAM MILNES MALOY,
CHARLES WHITE MAYDWELL,
HARRIE BLANDFORD RASCH,
CHARLES EDER REED,
OTTO SCHOENRICH,
ALEXANDER HENRY SCHULZ,
JOHN HAROLD TODD,
DAVID EMRICH WEGLEIN,
FRANKLIN EMANUEL WITZ.

RECIPIENTS OF PEABODY PRIZES.

1894.

OF THE FIRST GRADE ($100 EACH):

DAVID EMRICH WEGLEIN,
FRANK RINGGOLD BLAKE,
OTTO SCHOENRICH.

OF THE SECOND GRADE ($50 EACH):

WILLIAM MILNES MALOY,
ALEXANDER HENRY SCHULZ,
CHARLES VON ODEN HUGHES,
HARRIE BLANDFORD RASCH.

RECIPIENT OF SHAKESPEAREAN PRIZE:

JESSE VINTON HOBBS.

FIFTY-FIFTH ANNIVERSARY AND FORTY-FOURTH COMMENCEMENT

Monday Evening, June 18, 1894.

ORDER OF EXERCISES.

—MUSIC.—

PRAYER, - - - - - - - REV. GEORGE E. MAYDWELL, Class of '67.

—MUSIC.—

SALUTATORY ADDRESS, - - - - - OTTO SCHOENRICH.

—MUSIC.—

HONORARY ORATION, - - - - DAVID EMRICH WEGLEIN.

—MUSIC.—

VALEDICTORY ADDRESS, - - WILLIAM MILNES MALOY.

—MUSIC.—

ADDRESS, - - - - - - - - HON. CHARLES W. FIELD.

—MUSIC.—

DISTRIBUTION OF CERTIFICATES, - HIS HONOR THE MAYOR.

—MUSIC.—

DELIVERY OF PEABODY PRIZES, - DR. PHILIP R. UHLER, Provost Peabody Institute.

—MUSIC.—

PRESENTATION OF SHAKESPEAREAN PRIZE, JOHN T. MORRIS, ESQ. President School Board.

—MUSIC.—

BENEDICTION.

—MUSIC.—

CATALOGUE OF STUDENTS.

FIFTH YEAR CLASS.

Beeuwkes, Reinier K.
Blake, Eugene J.
Bonney, John L. V.
Buehner, Otto, Jr.
Dohme, Gustavus C.
Emmerich, Joseph S.
Erdman, Henry M.
Girdwood, Allan C.
Haughton, Hugh L.
Hopkins, Harry A.
Keech, James K.
Leeke, Howard N.
Lohmeyer, Herman
Lucke, Henry J.
Maccoun, George T.
Miller, John N.
Miller, Raymond D.
Ogier, James W.
Price, Howard C.
Reed, Clyde.
Rupert, Walter P.
Scholl, George B.
Seth, Alexander L.
Sherbert, Joseph R.
Stidman, Albert G.
Swain, James W.
Uhler, Howard I.
Wellslager, Walter H.
Wenchel, John F.
Whitehurst, Milton M.
Wicks, John N.

FOURTH YEAR CLASS.

Aaron, Alfred W.
Armstrong, Louis W.
Behn, Charles H.
Benson, Clifton D.
Bibbins, James R.
Blatter, Frank K.
Bowen, William A.
Boyce, Frederick G.
Catling, Ernest S.
Clark, Garnett Y.
Clark, Perley W.
Clunet, Frank J.
Cordell, Eugene F.
Dieffenbach, Albert C.
Downes, Henry C.
Fallon, Harry L.
Flaherty, Martin V.
Francis, Isaac H.
Graham, Joseph F.
Haulenbeek, Elmer.
Hayward, James F.
Hobbs, Gustavus W.
Hoopes, Walter W.
Joyner, Leon L.
Kadden, Arthur R.
Kennard, William H.
Korff, John A.
Krager, Walter M.
Kurrelmeyer, Herman W.
La Barrer, John P.
Lewis, Charles H.
Luthardt, Frank F.

Fourth Year Class—*Continued.*

Neal, John J.
Ralston, David A.
Read, Edgar T.
Reiley, Henry B.
Robertson, James C.
Rogers, Wilbur W.
Rossberg, William
Rossmarck, Ferdinand C.
Schmidt, Charles
Searles, Edward J.
Shertzer, Tyrrel B.
Sherwood, Watson E.
Simpson, Francis M.
Snyder, Calvin DeF.
Spear, Irving
Stromenger, Walter N.
Taliaferro, Charles M.
Thomas, Richard H.
Tigner, William T. C.
Waite, John H.
White, Albert A.
Wilcox, Louis.
Williams, Jesse W.
Winterode, Robert P.
Ziegler, Robert C.
Zies, William C.

THIRD YEAR CLASS.

Altreith, Elmer
Arnold, Alfred R.
Atkinson, Walter E.
Bacharach, Ollie
Banthem, Alvin M.
Barton, William J.
Bateman, Lowry J.
Biays, Tolley A.
Bramble, John H.
Brewer, James R., Jr.
Brown, William L.
Buckner, Charles T.
Byrne, William L.
Campbell, John G.
Carter, Earl
Cecil, George H.
Chambers, Lyttleton M.
Clayton, Clarence H.
Clift, Josiah B.
Clift, William C.
Cone, Frederick W.
Conway, Frank G.
Deems, Clarence
Dietrich, Edgar B.
Douty, James F.
Falck, John B.
Fink, Frederick
Fishach, David E.
Frank, Simon W.
Frizzell, Mars H.
Fullwood, Howard
Geiger, Harry W.
Gibson, Arthur C.
Gibson, Joseph W.
Gosnell, Lou W.
Gourley, Henry W.
Graham, Allan S.
Grimes, Robert H.
Hall, James B.
Hamilton, Pinkney J.
Hauer, William DeF.
Hayward, Eugene H.
Hilken, Paul G.
Hockaday, Robert
Holt, Hugh J.
Houston, Albert
Houston, William H.
Hyde, Edward P.
Jones, Edwin E.
Jones, Talbot D.
Jory, Herbert G.
Jory, Howard O.

Third Year Class—*Continued.*

Katz, Ray
Kemp, Guy P.
Kennard, James A.
King, Andrew J.
Kirkness, Edward F.
Kriel, Walter M.
Langlotz, Elisha H.
Levinson, Moses A.
Maccubbin, George H.
Madden, Thomas J.
Mallalieu, Wilbur V.
Manken, Henry
Mills, William O.
Mitchell, James F.
Mullen, James M.
Norton, William J.
O'Ferrall, Alfred J.
Parker, Walter W.
Price, Walter H.
Quigley, Stephen H.
Reese, Matthias F.
Reiley, James McK.
Rettaliata, Anthony L.
Rice, Thomas S.
Roulston, Robert B.
Scheu, Thomas
Sherbert, Charles R.
Sheridan, William W.
Singley, Frederick J.
Skutch, Robert F.
Staub, John T.
Stein, Edwin A.
Tagg, Stanley D.
Trippe, Andrew N.
Ulman, Jesse
Walz, Charles A.
Ward, William W.
Webster, Alfred M.
Weedon, William S.
Welbourn, Edward H.
West, William C.
Whiteside, Edgar I.
Wiegand, John C.
Williams, Richard C.
Wilson, Alexander C.
Wright, Arthur

SECOND YEAR CLASS.

Adams, Charles E.
Adams, Harry F.
Anderson, David L.
Anderson, Roger B. T.
Armiger, Richard D.
Baker, William W. W.
Baldwin, Henry W.
Bamberger, William B.
Becker, Jesse J.
Bensen, John H.
Billmire, John N.
Blake, Charles H.
Blome, Jerome F.
Bolgiano, Charles J.
Boyce, Albert P.
Boyer, Norman T.
Briscoe, John S.
Broessel, John G.
Brooke, Paul
Broom, John H.
Brundige, Thomas W.
Bucher, Frederick V.
Bucher, Howard J.
Buttner, William J.
Byrne, Henry S.
Cahn, Harry
Cameron Jenkins S.
Carter, Archibald J. C.
Clayton, Joseph B., Jr.
Clendenin, Edwin C.
Cockey, Irving C.
Cordray, Charles McK.

Second Year Class—*Continued.*

Cornelius, Thomas R.
Crummer, Edward P.
Deal, Charles B. S.
Deiches, Willie H.
Dew, John H.
Drane, Frank C., Jr.
Dudley, Frank S.
Dudley, Walter H.
Duer, Howard S.
Duffy, Ralph
Duvall, Alfred L., Jr.
Eccleston, Washington G.
Elphring, William H.
Eversman, Lewis V.
Ewell, John E.
Fairbank, Charles A., Jr.
Fairfax, William R.
Fentress, Walter E.
Fishach, Leyburn G.
Follmer, Frederick W.
Foster, Leslie D.
Friedenwald, Edgar B.
Frost, Philip P.
Germon, Albert F.
Goodman, Louis E.
Goodwin, Percy H.
Gorfine, William J.
Hammar, John T. W.
Hann, Charles K.
Hanna, Charles W.
Harris, John T.
Harrison, Robert B.
Hatter, Frank P.
Hawkins, Charles H.
Hayes, William McK.
Herzog, William H.
Hölljes, Henry D.
Hook, Charles A., Jr.
Hoover, John W.
Hough, Walter R.
Jennings, Andrew F.
Katz, Sigmund
Katzenstein, Walter
Keech, John R.
Kerr, William A.
Kines, Louis
Kirkland, William
Kirkness, John J., Jr.
Knipp, Frank H.
Lambert, John W.
Lange, Ralph W.
Langeluttig, Harry
Laupheimer, Alvin C.
Levering, Edwin W., Jr.
Lilly, Percy E.
Lockhart, Allen B.
Louis, George J.
Lowenstein, Adolph
Macdonald, George H.
MacWilliams, Wallace
Martin, John S.
Mathias, William C.
McClosky, Louis M.
McFaul, John H.
McFaul, William N.
McFrederick, Clarence E.
McGee, Joseph L.
McGill, Oscar A.
McGinity, Joseph F.
McSherry, Horace A.
Mendels, Solomon
Miller, Charles W.
Miller, Elmer H.
Miller, John F.
Moog, Charles F.
Morfit, Mason, Jr.
Morris, Charles T.
Mylander, Walter C.
Nice, Harry W.
Noel, Frank D.
Norris, William B.
Ohlgart, Robert E. L.
Parker, Leonard M. C.
Penniman, Arthur W.
Peddicord, Everett M.
Phillips, Harry D.

Second Year Class—*Continued.*

Reed, Herbert P.
Requardt, Theodore J.
Richardson, John N.
Rosenthal, Lewis J.
Savin, Andrew A.
Saylor, Charles H.
Scherer, Theodore J.
Schiff, Sidney
Schwartz, Frederick L.
Seabold, George W.
Selby, George E.
Seltzer, Joseph W.
Shaw, Howard C.
Sibiski, Alexander A.
Siegel, John F.
Singley, Henry A.
Smith, Harry M.
Smith, Joseph S.
Sondermann, John
Sprigg, Walter P.
Startzman, Howard H.
Stein, Calvert F.
Stein, Leon
Stewart, Thomas B.
Straus, Henry P.
Strauss, Abraham
Streett, Harry H.
Strickler, Herschel J., Jr.
Struth, Otto A.
Sucro, William
Sudler, Wright
Sutherland, Charles S.
Swindell, George M.
Tabb, Christopher W.
Templeman, Frank L.
Thompson, William C.
Tolson, John C.
Tumbleson, Charles C.
Unglaub, John W. S.
Valentin, Henry A.
Vavrina, Charles
Wallis, Robert W.
Walter, Gordon L.
Watts, Martin S.
Weatherby, Raymond L.
Weber, Charles H.
Weinberg, Hiram N.
Wentz, Maurice A.
Whitehill, Charles
Whitehill, Sydney
Whitehurst, Jesse H.
Wilkens, Frederick J.
Williams, Thomas B.
Witherspoon, Preston
Worley, Nathan M.
Wright, Henry C., Jr.
Wright, Joseph L.
Wyvel, Charles F.
Younger, Daniel K.
Zies, Frederick

FIRST YEAR CLASS.

Abercrombie, Ronald T.
Addison, Edward S.
Adler, Jacob
Alexander, Stanley R.
Ames, Alvin G.
Anderton, Edward C.
Angerman, William T.
Applegarth, Charles L.
Armiger, Jesse F.
Armiger, William L.
Asendorf, William H. O.
Baetjer, Howard
Bagby, George P.
Baily, Clarence L.
Baker, Albert S.
Baker, Charles L.
Bartkowski, John W.
Baumgarten, Jacob W.
Bayne, Francis C.
Beacham, Edward T.

First Year Class—*Continued.*

Beall, Charles T.
Beaveridge, Edwin J.
Beeuwkes, Christian J.
Benesch, Jesse
Berwanger, Albert B.
Block, Monroe
Blome, William C.
Boese, William H.
Bornschein, Frank G.
Boucher, Carlos H.
Bowen, Jesse N., Jr.
Brady, James H., Jr.
Brady, Samuel P.
Bransky, Simon B.
Brockman, Henry J.
Brown, Clifton S.
Brown, Harry
Brown, Walter D.
Buckner, Harry
Bull, Charles C.
Bull, Charles H.
Bullock, William A.
Burns, Charles H.
Butzler, John W.
Bye, Mortimer
Campbell, Robert M.
Canton, William N.
Carman, Clarence
Carroll, John B.
Carter, Isaac T.
Cary, George F. S.
Catling, Milton A.
Clark, Walter L.
Clarson, James W.
Clawson, Isaiah D.
Clunet, Charles A.
Cockey, Charles E.
Cole, Milton F.
Conway, Robert J.
Cook, Parker
Cord, William A.
Cordray, Howard F.
Coriell, Louis D.
Cottman, Thomas E.
Cotton, Stephen G. I.
Cowman, Joseph R.
Creager, Willie P.
Creighton, Miller R.
Cromwell, Lambert F.
Crothers, Robert W.
Crothers, William B.
Curley, William E.
Davies, John F.
Dewers, George
Diering, William L.
Dixon, William J.
Dushane, Walter
Eccleston, Noel E.
Eckel, Clifton
Edwards, Wilbert A.
Ellender, Howard L.
Ellinger, Emanuel J.
Ellis, Walter
Emrich, William
Fairbank, Leroy J.
Fallon, Walter L.
Fenwick, Henry M.
Firoved, William O.
Fitzgerald, Frank E.
Flowers, William R.
Franke, August C.
Frisch, Albert C.
Garmer, Harry
Gathwright, Edward W.
Geoghegan, William C.
German, Edward H.
Gilbert, Howard S.
Gittings, Henry M.
Glaser, Otto C.
Glass, Graham W.
Gminder, Otto
Goldsmith, Joseph
Gore, James W.
Gorsuch, George T.
Green, Herbert E.
Greif, Leonard

First Year Class—*Continued.*

Griffin, Edwin J.
Griffiths, William L.
Groh, Harry C.
Gutman, Nelson
Gwin, William F.
Hack, Elam McC., Jr.
Hall, Ethelbert
Hardecker, Conrad
Hart, Ernest R.
Harvey, Joshua G., Jr.
Harvey, William A.
Hayes, Harold
Heil, Charles F.
Heim, Walter G.
Heineman, Jesse M.
Helfrich, Garrett L.
Hellbach, Rudolph
Hering, Fred
Herman, Irvin G.
Hickman, William
Hildebrandt, Louis F.
Hill, Henry D.
Hill, John P.
Hock, John F.
Hoff, Snowden
Hoffman, John L.
Hoffman, William E., Jr.
Hoffmeister, August A.
Hood, John M., Jr.
Horner, Albert M.
Houston, Alden J.
Hudson, Charles H.
Hutton, Edward S.
Hutzler, Morton D.
Imwold, John H.
Isaac, Alexander G.
Iverson, George D.
Jackson, Elias L.
Jenifer, Thomas C. R.
Jones, Howard W.
Jones, Laurance K.
Jones, Milton C.
Jones, Rex
Jordan, Horace W.
Jory, Joseph H.
Kapp, Edward R.
Katzenstein, Stanley
Kelly, George L.
Kerler, George A.
Kernan, Howard E.
Kerr, John S.
Kerr, Robert C.
King, Edwin, Jr.
King, Henry W.
Kinnaird, Alexander
Kirk, William
Kirkland, James M.
Koch, Moses
Koke, Julius C.
Koontz, Carroll L.
Krebs, Howard S.
Kumpf, John C.
Kunkel, Charles T.
Lampman, Charles H.
Landon, William H.
LaPorte, Frank A.
Lawson, William C.
Lawton, Joseph T., Jr.
Leopold, Eugene J.
Levi, Isaac
Lewis, Howard D.
Livingston, James H.
Lloyd, Charles A.
Lohmueller, John W.
Loney, Clarence E.
Lumpkin, William W.
Maloy, Walton N.
Marks, Thomas H.
Marsh, George K.
Martindale, Charles M.
Jones, Walter S.
Masson, Robert A.
Mayer, Eli
Mayhew, Walter H.
Maynard, William J.
McAfee, John H.

First Year Class—*Continued.*

McCaskell, George K.
McCoy, Allen R.
McDonald, George E.
McGregor, James R.
McKay, William W.
Metcalfe, Gibson A.
Metzel, George V.
Meyers, Thomas F.
Miller, Roland S.
Miller, Samuel W.
Miller, William J., Jr.
Mitchell, George T.
Mitchell, Harry C.
Montell, Edwin E.
Moore, Robert E.
Moran, William A. R.
Morgan, William A.
Morse, Robert B.
Mueller, Frederick W.
Mullen, Philip H. R.
Muller, Charles W.
Myers, Charles A.
Myers, Herbert F.
Nathan, Isaac
Neesemann, Benjamin H.
Nelker, Horace J.
Nelson, Frederick L.
Neu, Richard
Nice, John A.
Niles, Rodney C.
Norris, Robert W.
Norton, Eugene L.
O'Brien, William H.
Ogle, Marbury B.
Olwine, Augustus H.
Oppenheimer, Ernest
Overman, Charles A.
Owens, Robert E.
Parker, Frank A.
Pearson, Shepard S.
Philpot, William H.
Pippen, Joseph H.
Poulton, James E.
Powers, Hugh W. S.
Pritchett, Edwin W.
Purcell, Steuart
Rambo, James F.
Ramming, Rudolph C.
Ramos, Joseph N.
Ranft, Charles F.
Read, Frank T.
Reeder, Clarence
Rehberger, George E.
Reth, John H.
Reynolds, Robert H.
Reynolds, Walter F.
Riggin, Louis
Roberts, John O.
Roberts, William C.
Robertson, John T.
Robinson, Charles E.
Roman, Philip E.
Rosenbaum, Leon
Rouse, Frank P.
Rowland, Herbert R.
Russell, Charles M.
Schaeffer, Joseph H.
Schermerhorn, Alexander Van R.
Schmeisser, William C.
Schloss, Alfred W.
Schroeder, Christian M.
Schroeder, Harvey R.
Schulte, John C. A.
Sessions, John M.
Sewell, Wilbur A.
Shamer, Maurice E.
Shipley, Harry C.
Siegel, Isaac
Silverman, Aaron
Smith, Clarence
Smith, Francis H.
Smith, Robert T.
Sparrow, Carroll M.
Spear, Irving A.
Spicer, Charles H.
Stehl, Allen O.

First Year Class—*Continued.*

Stevens, Richard W.
Stonebraker, Harry
Strauss, Myer M.
Strouse, Elliot
Stuart, Charles C.
Stuhmann, Henry L.
Swindell, Walter B.
Swope, Granville C.
Thatcher, Thomas C.
Thomas, Benjamin W.
Thompson, Samuel A.
Tingle, William W.
Todd, James E. B.
Tyler, Leigh B.
Tyler, Orville N.
Utermohle, George A.
Waidner, Robert A.
Walter, John
Watson, Joseph A.
Weber, William
Webner, Harry R.
Wehage, John L.
Weiner, Benjamin
West, Augustus P.
Whitman, Ezra B.
Whitman, Horace S.
Widner, Francis M., Jr.
Wilcox, George E.
Wilson, Joseph R.
Winkelman, William F.
Winslow, Nathan
Wolf, Marcus
Wolman, Samuel
Wright, Edward C.
Zoller, Charles E.
Zwanzger, George A. L.

THE COURSE OF STUDY.

FIRST YEAR.

English Composition—Quackenbos' First Lessons. Practical exercises. Two hours per week.

English Literature (Shaw)—Beginning with the time of Chaucer, a general survey of the subject is had, preparatory to more detailed work on particular periods in the upper years. Only the more prominent authors are taken up, especially those of the eighteenth and nineteenth centuries; also, there is some study of the better known American authors. The students are particularly urged to read the standard writers for themselves, and to give some account of their reading to the class. Two hours per week.

Latin—Gildersleeve's Primer. Thorough drill in the declensions of nouns, pronouns and adjectives; also in the conjugations of regular verbs. In addition, some practice is afforded in the uses of the subjunctive mood, together with exercises under the more elementary rules of syntax. Five hours per week.

Algebra—Ray's Higher. Completed in one scholastic year. The work embraces the more difficult quadratic equations, with special artifices and solutions,

the progressions, the binominal theorem, indeterminate coefficients, series, continued fractions, the computing and uses of logarithms, the general theory of equations and Horner's method. Two hours per week.

Geometry (*Plane*).—Three books of Wentworth. Copious exercises in constructions and loci; also theorems and problems involving the principles taught in the text. Completed in one scholastic year. Two hours per week.

Physics—Gage's Elements of Physics. First three chapters. Physical properties of matter, dynamics and heat. Additional experiments and problems are provided. Special emphasis is laid on quantitative work. Two hours per week.

United States History—Johnston's text. One hour per week. Beginning with the constitutional period, the class completes the book. Class is also required to memorize the Constitution of the United States.

English History—Collier's British Empire completed. Two hours per week.

Book-keeping—Five sets—day-book, journal and ledger. Seven sets—day-book, journal, cash-book and ledger. Writing of commercial forms, viz., notes, drafts, bills, invoices, receipts, orders, due bills, checks, etc. Lectures on opening and closing books of account, trial balances, balance sheets, etc. Two hours per week.

Penmanship—Once a week.

Drawing—Geometrical designs from blackboard and by dictation. Conventionalized flower and leaf

forms in designs. Special practice from blackboard, and models for ability to execute bilateral symmetry. Free-hand drawing in outline from geometric models singly and in groups. The principles of light and shade. Execution in free-hand of pencil-shaded drawings from geometric models and common objects, such as vases. Two hours per week.

SECOND YEAR.

ENGLISH—Hepburn's Manual of Rhetoric. Reports on standard works in English literature. Lectures on journalism and on the English novel. Composition and declamation. Two hours per week.

ENGLISH COMPOSITION—Making abstracts from the works of standard authors. Reproductions in the student's own language of incidents from well-known works. Original compositions, chiefly of a narrative or descriptive character. Occasional exercises in dictation. One hour per week.

LATIN—The class completes and reviews the Latin Primer (Gildersleeve), and reads the Latin Reader (Gildersleeve), with a part of the fifth book of Cæsar. Four hours per week.

GERMAN—Exercises in grammar and composition, from Whitney's Brief Grammar. Translation of Schiller's "Neffe als Onkel." Three hours per week.

GEOMETRY (*Plane and Solid*)—To the end of the eighth book of Wentworth. Constant exercises in theorems and problems involving the principles previously taught. This latter work is, in part, assigned for home preparation, and in part for execution at sight. Four hours per week.

PHYSICS—Gage's Elements of Physics completed. Lectures by the instructor. Problems and experiments performed by the students. Two hours per week.

HISTORY—Myers & Allen's History of Rome completed. Comstitution of Maryland. Two hours per week.

BOOK-KEEPING—Three sets—day-book, journal, cash-book and ledger. Five sets—day-book, journal, cash-book, sales-book, invoice-book, bill-book and ledger. Two sets—commission. Writing up the necessary forms for the above sets. Two sets—business practice. Business correspondence. Lectures on the science of accounts, business usages, etc. Three hours per week.

DRAWING—Conventionalized designs, cast in relief by shading. Original designing required. Special study of light and shade. Carefully shaded free-hand drawings from geometric models and common objects in groups. Elementary orthographic projection. Simple plans and elevation in mechanical and architectural construction. Two hours per week.

THIRD YEAR.

ENGLISH—No text-book used. Students are referred to books in the College Library. Lectures on the origin and history of leading English and American magazines. Composition and declamation continued. Three hours per week.

GERMAN—Translation of Schiller's "Tell." Exercises in grammar and composition from Brandt's Grammar. Review. German conversation. Two hours per week.

FRENCH — Keetels' Analytical and Practical French Grammar. First thirty-four lessons. De Fivas' French Reader. Exercises. Complete course of French verbs. Three hours a week.

LATIN—The class reads four books of Cæsar and three of Cicero's Orations against Catiline, and also writes Latin exercises. Gildersleeve's Grammar and Exercise Book are used. Four hours per week.

GREEK (Optional)—White's First Lessons is the book used. There is constant drill on accent, translating from Greek to English and from English to Greek, and on forms of declension and conjugation. After a fair acquaintance with verbs in "ω," short lessons from the Anabasis are given, once a week at first, gradually increasing in frequency as the year advances. Goodwin's Greek Grammar is used in connection with the First Lessons. Four hours per week.

MATHEMATICS—(*a*) Wentworth's Plane and Spherical Trigonometry completed. Four hours per week. (*b*) Arithmetic, algebra and geometry are reviewed by those students who do not study Greek. Four hours per week.

CHEMISTRY—Remsen's Briefer Course. Chemistry of metals and non-metals. Laboratory work by all students. Three hours per week.

HISTORY—Eastern Nations and Greece—Myers & Allen's text. Essays on historical characters. Each student is required to write one essay each quarter. Essays of the first quarter are on ancient, those of the second on mediæval, those of the third on modern European, and those of the fourth on American characters. One hour per week.

DRAWING—Drawing from casts, especially of flower forms, with particular study of light and shade effects. Plans, elevations and sections in mechanical and architectural construction. Elementary isometric projection. The elements of designing on the vine motive. One hour per week.

FOURTH YEAR.

ENGLISH—The history of the English language (Lounsbury) is begun. Lectures on versification and the poets. Composition and declamation continued. Three hours per week.

GERMAN — Translation of Schiller's "Geisterseher." Brandt's Grammar and the instructor's prose compositions. Review. German conversation. Two hours per week.

FRENCH—The work of the preceding year reviewed. Keetels' French Grammar finished. Exercises. Chapsal's Leçons de Littérature Française. Twice a week.

LATIN—This class reads four Orations of Cicero, one thousand or fifteen hundred lines of Ovid and about two books of the Æneid. It has also an exercise from English into Latin once a week. The text-book for this is Gildersleeve's Latin Exercises.

Much more Latin is read by the method referred to in the account of the Greek classes. Four hours per week.

GREEK—About four books of Xenophon's Anabasis are read during the year, and generally one book of the Iliad. The First Lessons (White's) is used for exercises in translating from English to Greek. Good-

win's Greek Grammar is used. Much more of the Anabasis is read by having, each day, one of the students prepare a page from some book other than the first four, and translate it before the class. By calling on various members of the class to render small portions, an exercise in rapid translation is given. Four hours per week.

MATHEMATICS—(*a*) Bowser's Analytic Geometry. The straight line and the conic sections are treated. The plotting of curves, and problems in loci receive special attention. Three hours per week.
(*b*) Wentworth's Surveying and Navigation as a substitute for Greek. Four hours per week.

ASTRONOMY—Lockyer's Elements, to page 214. One hour per week.

CHEMISTRY—Remsen's Organic Chemistry. Chemistry of the carbon compounds. Laboratory work by all the students. Three hours per week.

CIVIL GOVERNMENT—Wilson's "The State." Lectures. Essays on historical subjects. One hour per week.

DRAWING—Ornamental designing on the vine motive. Isometric projection carefully studied. Mechanical and architectural drawing. Parallel and angular perspective. One hour per week.

FIFTH YEAR.

ENGLISH—History of the English Language concluded. Lectures on Shakspere, Bacon and Chaucer. Original speaking. Three hours per week.

GERMAN — Translation of Heine's "Harzreise" and Goethe's "Egmont." Instructor's prose composi-

tions and Brandt's Grammar. German conversation. Two hours per week.

FRENCH—Voltaire's "Histoire de Charles XII." General review of the grammar. Exercises on the leading features of the French syntax. Composition. Twice a week. In addition, a course in French reading and conversation is open to students of the fourth and fifth years. Once a week.

LATIN—This class reads four books of the Æneid and generally two books of the Odes of Horace. It has also an exercise from English into Latin. Once a week. The text-book used for this purpose is Allen's Introduction to Latin Prose Composition. Occasionally a few of this class read Livy as extra work. Gildersleeve's Latin Grammar is used throughout. Four hours per week.

GREEK—This class reads generally three books of the Iliad, and one of the longer books of Herodotus. Some classes read the Medea instead. The quantity of Greek read is greatly increased by the method pursued in the second year of this course, the class using, however, Homer and Herodotus, instead of Xenophon. A written exercise from English to Greek is prepared weekly. Jones' Greek Prose Composition is the text-book. Four hours per week.

MATHEMATICS—Olney's Calculus. In the first half of the year differential calculus is taught, and in the second half, integral calculus. Four hours per week.

CHEMISTRY—For the first half of the year. Review of chemistry, with mineralogy and geology. Laboratory work by all students. Three hours per week.

Physics—For second half of the year. Review of physics and chemical physics, supplemented by laboratory work by students. Three hours per week.

Astronomy—Lockyer's Elements completed. One hour per week.

Mental Philosophy—The class studies the Mental Philosophy of Dr. Haven, including the department of the *intellect* and a part of the *sensibilities*. Two hours per week.

Political Economy—First half of the year: Ely's Political Economy, with lectures. Essays on social topics. Visits to penal and reformatory institutions, and reports thereon. Second half of the year: Lectures on constitutional law or topics of the nineteenth century. Two hours per week.

Mental philosophy and political economy are taken only by those that do not study Greek.

Drawing—Parallel and angular perspective. Charcoal drawing from groups of models and common objects, and from casts of flower forms and of sections of the human body. Pen and ink sketching. The orders of architecture and ornament. Execution of drawings shaded with brush in India ink and sepia. One hour per week.

TERMS OF ADMISSION.

The annual examination for admission takes place in June. All boys in the eighth (highest) grade of the grammar schools who are at least fourteen years of age, of good moral character, and not otherwise promoted, and also boys who are not pupils of the public schools, may be admitted after passing a satisfactory examination in the studies pursued in said eighth grade.

Notice of the annual examination is given in the daily papers of Baltimore, at least ten days in advance.

By consent of the committee, a *special* examination for admission is held at the College every year, beginning on the first Wednesday after the opening Monday (usually the first Monday) in September, to accommodate only those who, for *good and sufficient reasons*, do not present themselves in June.

For the information of persons not familiar with the work of the eighth public school grade, it is stated that the examinations above indicated embrace spelling, reading, writing, grammar, composition, arithmetic, algebra through quadratic equations, the first, second and fourth books of Davies' Elementary Geometry (or an equivalent), geography, history of the United States, physiology and elementary physics.

NON-RESIDENT STUDENTS.

Students whose parents or guardians are not *bona-fide* residents of Baltimore must pay $50 per annum for tuition and use of books. This sum is payable quarterly, *invariably in advance,* at the office of the Secretary of the School Board.

Non-resident applicants for admission will not be entered on the roll of the College until the requisite examination is passed, and a permit for entrance, signed by the Chairman of the Committee on Non-Resident Pupils and the said Secretary, is presented. Such permit must be accompanied with certificate of vaccination, and a coupon showing the payment of the fee for the current quarter.

RIGHTS AND PRIVILEGES OF GRADUATES.

I. Eligibility for Positions as Teachers.—The graduates of the College who attain a final average in scholarship of at least eighty out of a possible one hundred are eligible for ten years after their graduation to any position in the primary or grammar schools of Baltimore. No graduate, however, will be appointed principal if he is under twenty-one years of age, or first assistant if under nineteen years.

II. Matriculation at Johns Hopkins University.—Graduates, on the recommendation of the College Faculty, are permitted to matriculate without examination at the Johns Hopkins University.

PRIZES.

I. Peabody Prizes.—Mr. George Peabody, in his letter to the "Trustees for the Establishment of an Institute in the city of Baltimore," expressed his desire that the said Trustees, "in order to encourage and reward merit," shall distribute five hundred dollars every year, in money prizes, of sums not less than $50 nor more than $100 for each prize, to those graduates of "the public male High Schools now existing or which may hereafter be established," who shall "be adjudged most worthy, from their fidelity to their studies, their attainments, their moral deportment, their personal habits of cleanliness and propriety of manners."

By arrangement between the Trustees of the Peabody Institute and the Board of Commissioners of Public Schools, the annuity donated by Mr. Peabody is divided into three prizes of one hundred dollars each and four of fifty dollars each. These sums are distributed yearly, in the order of merit, to the seven young men standing highest among those members of the graduating class who have complied with the following condition of competition, viz.: The completion of the *full* course of study in *five* consecutive years.

II. The "New Shakspere Society Prize."—The prize offered by "The New Shakspere Society" of London, consisting of a number of valuable pub-

lications of the Society, is annually awarded to that graduate who shall present the best essay on some subject connected with the plays of Shakspere.

III. The Frederick Raine Prize.—Colonel Frederick Raine, whose death occurred early in 1893, left by will to the Mayor and City Council of Baltimore a bequest of $200, with the condition that this sum shall be invested, and the income from the investment be annually applied to the purchase of a gold medal to be awarded to that member of the graduating class in Baltimore City College whose record is highest in the work of the German department.

IV. Prizes open to members of the College societies. These prizes are described on pages 39 and 40.

THE PUBLIC SCHOOL LIBRARY.

Students of the College have access to the books in this library, under the supervision of the Librarian, Mr. Joshua Plaskitt. On its shelves are more than seven thousand volumes of reference and high-class literature.

COLLEGE ORGANIZATIONS.

ALUMNI ASSOCIATION.

The graduates of the Baltimore City College, recognizing the advantages to be secured to themselves and the College by periodical reunions of the Alumni, organized themselves into a permanent association May 15, 1885.

"The aim of the association is to strengthen the bond of union of the graduates and former students, to perpetuate the affection they cherish for the institution, to foster the prosperity of the College by giving their support and sympathy to its faculty and officers."

The government and administration of the association are entrusted to an Executive Committee consisting of two (2) members from each class represented in the association.

The following alumni have held the office of president since its formation:

1885.....Thomas S. Baer.....Class of '58
1886.....Theodore K. Miller.....Class of '63
1887.....Dr. Edward H. Spieker.....Class of '77
1888.....Theodore F. Wilcox.....Class of '71
1889.....J. Frank Supplee.....Class of '67
1890.....William H. Shryock.....Class of '49
1891.....John J. Dobler.....Class of '68
1892.....Daniel Miller.....Class of '67

1893.....John C. Rose.....Class of '77
1894.....John B. Van Meter, D.D.....Class of '59

The present officers are:

President.....Alvin P. Kennedy.....Class of '66
1st Vice-President.Dr. Wm. H. Howell....Class of '77
2d Vice-President.Charles H. Torsch....Class of '61
Secretary.....Dr. Wm. Benson, Jr....Class of '71
Treasurer.....Joseph M. Watkins....Class of '74
Chairman of Executive Committee, } Douglas H. Rose...Class of '80

All graduates and former students are entitled to membership upon application to the Executive Committee.

The admirable spirit shown by this association, and the many practical proofs of the affection and devotion of its members in things that concern the College, are matters of profound satisfaction to the Faculty and the School Board.

THE BANCROFT LITERARY ASSOCIATION.

"The object of this Association is the improvement of all connected therewith, in debate, in oratory and in general literature."

OFFICERS.

President.....Walter H. Wellslager.
Vice-President.....Walter P. Rupert.
Secretary.....Leonard M. C. Parker.
Treasurer.....J. Frederick Wenchel.
Sergeant-at-Arms.....George B. Scholl.
Corresponding Secretary.John F. Miller.
Board of Curators.... { Walter P. Rupert, *Ex-officio*, Clyde B. Reed, William W. Sheridan.

THE CARROLLTON SOCIETY.

"This society has for its object the realization on the part of its members of those benefits to be derived from exercise in debate and elocution, the promotion of said members in general literary culture, and their familiarization with parliamentary usage."

OFFICERS.

President.....JAMES MCK. REILEY.
Vice-President.....JOHN G. CAMPBELL.
Secretary.....WALTER C. MYLANDER.
Assistant Secretary.....WALTER W. HOOPES,
Treasurer.....ALBERT F. GERMON.
Sergeant-at-Arms.....HENRY B. REILEY.

The Bancroft and the Carrollton Societies annually contest in public for two gold medals donated by Professor Charles C. Wight, one for excellence in declamation and the other for skill in debate.

These two societies have each a Reunion Association, composed of former and present members.

The Bancroft Reunion Association annually offers a gold medal for highest excellence in essay writing, competition being limited to student members of the Bancroft Literary Association.

THE AGASSIZ ASSOCIATION.

CHAPTER 233, BALTIMORE, MARYLAND (A).

"The aim of the Agassiz Association is to collect, preserve and study natural objects."

OFFICERS.

President.....J. Herbert Waite.
Vice-President.....J. Pollard LaBarrer.
Secretary.....R. Harry Thomas.
Field Secretary.....Frank P. Rous.
Assistant Field Secretary.....Leon Greenbaum.
Curator.....R. Harry Thomas.
Treasurer.....Frank P. Rous.
Sergeant-at-Arms.....Carroll M. Sparrow.

Professor Philip H. Friese annually presents to the Agassiz Association a student's microscope, to be awarded to that member who shall write the best essay on some scientific topic.

The two literary associations and the society of young naturalists are extremely valuable educational adjuncts to the regular work of the School; and all students are strongly advised to seek membership in one or more of these bodies.

THE ATHLETIC ASSOCIATIONS.

These associations have for their object the physical training of the students and the encouragement of manly sports.

Base Ball Association.

President ..... James R. Brewer, Jr.
Vice-President..... Howard M. Lewis.
Secretary ..... Charles A. Clunet.
Treasurer and Captain..... Milton M. Whitehurst.
Manager..... James W. Swaine.

Foot Ball Association.

President ..... James W. Swaine.
Vice-President ..... Milton M. Whitehurst.
Secretary..... Walter H. Wellslager.
Treasurer..... George B. Scholl.
Captain ..... H. Allen Hopkins.
Manager..... A. C. Dieffenbach.

Track and Field Association.

President..... Henry B. Reiley.
Vice-President..... W. H. Price.
Secretary..... L. M. McClosky.
Treasurer and Manager..... J. R. Sherbert.
Captain ..... H. Allen Hopkins.

Tennis Association.

President..... J. Herbert Waite.
Vice-President ..... Allan C. Girdwood.
Secretary..... Martin S. Watts.
Treasurer ..... Herbert E. Green.

THE GLEE CLUB.

The object of this organization is to stimulate an interest in music at the College, and to afford beneficial recreation to its members.

OFFICERS.

Honorary President.....Prof. Charles F. Raddatz.
President and Leader.....George B. Scholl.
Vice-President.....Walter. H. Wellslager.
Secretary.....Howard N. Leeke.
Treasurer.....Joseph S. Emmerich.
Manager.....J. Newton Wicks.
Accompanist.....J. Frederick Wenchel.

ALUMNI.

In 1851 Public Day for conferring academic honors was first observed, and since that time it has been observed annually. Those students who have satisfactorily completed the full term of study receive CERTIFICATES to that effect, signed by the Faculty, the Committee, the President of the Board and the Mayor of the city, with the seal of the city attached. The following are the names, year by year, of those who have thus graduated.

GRADUATES:

1851.

Bruning, H. H.
Cockey, Edward C.
Cushing, Robert H.
Husband, Jacob L.
Lawson, Stephen Allen
Oliver, Joseph W.
Sanderson, Thomas N.
Sollers, William
Thompson, Joseph
Vansant, Joseph

1852.

Cooke, John J.
Cook, Joseph M.
Francis, Charles
Griffin, Henry Clay
Griffin, Robert B.
Miles, Charles
Morgan, Ludowick
Schoolfield, William
Sloan, William
Smith, William T.
Stewart, John M.

1853.

Burke, Edwin
Curtain, Robert
Ely, John B.
Frazer, David
Hooper, Robert
Hooper, Samuel
Kirk, William
Miller, Jerome
Miller, John M.
Morrison, James
Shaw, Samuel
Tilyard, John
Toner, George
Ward, John
Webb, Louis
Wright, Matthew H.

1854.

Bordley, Th. H.
Cooke, William H.
Franklin, John
Hanna, James Alexander
Hoffman, Lawrence B.
Hollingshead, Francis J.
Hughes, Samuel J.
Littig, J. Merryman
Mitchell, James T.
Robertson, Alvin
Slater, John T. B.
Welch, Benjamin T.
Wilcox, William L.

1855.

Brawner, Daniel W.
Cook, Henry C.
Crumbacker, Charles W.
Divier, William T.
Emick, Robert G.
Freeland, Egbert R.
Gault, Cyrus, Jr.
Higgins, Eugene
Hollingshead, William H.
Holtzman, Henry C.
McClure, William J.
McKinley, William J.
McMillan, William D.
Macneal, Charles L.
Marden, George W.
Sloan, Edward O.
Stine, Thomas S.

1856.

Baer, Robert N.
Cathcart, Charles Henry
Chance, Francis Eldridge
Cole, Cornelius Magers, Jr.
Hanna, William Eagin
Haslup, Rezin Clark
Hatter, Charles William
Kerr, Andrew Scott
Lucchesi, Frederick Achilles
Maclellan, Arthur Rutland
Maccubin, Samuel Jarrett
Remare, Richard Antonio
Ridgaway, Thomas Stanford
Robinson, Geo. Washington
Sanders, James William
Schroeder, John Henry
Smith, Nicholas Maccubin
Smith, Walter George
Stockton, John McCurdy
Wardenburg, Wm. Frederick

1857.

Arthur, John F.
Atkinson, William George
Bishop, John E.
Brian, Marion Andrews
Cooper, James F.
Corkran, Richard L.
Dashiell, William H. H.
Dietsch, Lewis C.
Dolfield, Alexander Y.
Hooper, John W.
Knowles, Gustavus W.
Krebs, Jacob E.
Lambdin, Charles E.
Rennolds, William L.
Stine, Frederick F.
Stromenger, Charles H.

1858.

Baer, Thomas Sargent
Brawner, Robert Guiscard
Cathcart, Robert, Jr.
Cathcart, Robert Emory
Cooper, George Washington
Davenport, Thomas
Dell, John Everett
Dorry, John Campbell
Fuller, Lewis Ogden
Glocker, Theodore William
Hooper, Thomas Whitridge
Hughes, Robert
Lange, John Herman
McElroy, John Wesley
Macneal, James Benoni
Merryman, Joseph Purnell
Miller, Henry Clay
Mullikin, James Clayland
Nagle, John George
Russell, John C.
Weatherby, Jeremiah Smith
Woodworth, William Rufus
Weber, Paul Ferdinand

1859.

Bell, Adelbert Theodore
Blimline, Bernard
Burgess, George Roberts
Evans, George Washington
Fort, Leander Duncan
Grim, Thomas Christopher
Hepburn, James Peter
Holmes, Thomas
Jones, William
Kelly, Thomas
LeCompte, James Henry
McNelly, Hugh
Milburn, James Richardson
Nagle, William
Ogier, Andrew Monkur
Peirson, Thomas George
Purdy, Warran Grafton
Richardson, Charles Herbert
Stirrat, David
Van Meter, John Bunyan
Wagner, Henry
Watkins, Robert Emory
Watts, Henry Robert
Webster, Joseph John Gurney

1860.

Barr, James Lewis
Chilton, William F.
Christopher, Henry Clay
Clarke, Asbury Jones
Clotworthy, George Washington
Cook, William Wright Louis
Dalrymple, William S.
Gorsuch, Robert McI.
Graham, James T.
Johnson, Howard Edgar
Knoebel, Henry
Koehl, Edward W.
Law, Jacob G. Davies
Lusby, Alexander F.
Middledith, James
Prior, Philip
Robinson, Oliver P.
Schwartz, John A.
Spamer, C. A. E.
Suman, John G.
Tarr, Joseph B.
Uber, Carlton A.
Watson, James E.
Wolfe, Francis Eugene S.

1861.

Appleby, George F.
Ball, Thomas Sewell
Beadenkopf, Henry
Clark, John C.
Coburn, George
Cook, Gilbert C.
McGlone, John T.
McKee, Henry C.
McMaines, William
McNeal, Charles R.
Reeves, Charles H.
Sollers, Andrew Jackson
Starr, William E.
Stewart, Robert
Torsch, Charles H.
Willson, John Ward

1862.

Appell, John F.
Butler, Henry Clay
Caldwell, William M.
Dietsch, Ferdinand Frederick
Dowell, George E.
Helfrich, Samuel Dutton
Hinks, William H.
Keller, William Lansfield
King, Albert T.
Leitch, Benjamin Franklin
Milburn, Charles W.
Pearson, Summerfield
Rich, George A.
Rogers, William C.
Shutze, John Augustus
Sills, John W.
Storke, Alexander Lamb
Taggart, Hugh T.
Towson, Henry Clay
Wallis, Robert V.
Westerman, Samuel Eggleston
Whittington, James D.

1863.

Applegarth, Thomas M.
Becker, John George
Brady, Hugh A.
Diggs, John Ross
Greenfield, Thomas S.
Gruber, William H.
Holland, John M.
Hunt, William Beall
King, John Theodore
Lambdin, Alexander M.
Leitch, William A.
Miller, Theodore Klein
Nelson, Victor Holmes
Rutter, George H.
Spieker, George Frederick
Sweeting, James K. P.
Tennant, David L.
Toner, Zachary Taylor
Webster, Thomas W.
Weil, Star Mayer
Westbrook, John A.
Wilson, James Patterson

1864.

Cook, Charles Oscar
Harrison, Alexander C.
McCarthy, John
McFarland, John
Orrick, Oliver S.
Pentland, John P. A.
Richardson, Standish Barry
Shannon, John
Simpson, John Wesley
Stehl, Gustavus Louis
Stewart, William Cooper
Westenberger, Zachary Taylor
Young, Charles

1865.

Bates, Edward Bayley
Bishop, Lamartine
Beckley, John T.
Frame, James
Haslup, John S. M.
Hoffman, Charles August
Hooper, Edward L.
Patten, Amos Williams
Saumenig, William B.
Smith, William Thomas
Tustin, Septimus P.
White, William A.
Wilcox, Alexander Martin
Yeisley, George Conrad

1866.

Brown, Emmet
Greenbaum, Daniel
Harvey, William Thomas
Houck, Derrick Keyser
Irvin, George Lawrence
Jones, John Edwin
Kennedy, Alvin Parker
Lauer, Solomon
Miller, John Henry
Richardson, John Donovan
Troeger, Andrew

1867.

Appell, John Henry
Ball, David Emory
Chichester, William John
Crook, Thomas Walter
Dunlap, Henry
Gillaspey, George Washington
Halbert, Edward Driver
Leitch, Robert Rose
Maydwell, George Edwin
Miller, Daniel Schaffer
Miller, Elmer Slack
Miller, William Reynolds,
Reid, Charles Egerton
Sumwalt, John W. Richardson
Supplee, James Franklin
Thomiz, Herman Washington

1868.

Campbell, John Samuel
Chapman, John George
Darrington, James
Dobler, John Jenkins
Farringer, Charles Henry
Faupel, John Jacob
Ford, Harry Jones
Frank, Marcus Aaron
Grove, Benjamin Franklin
Harkness, George Musgrave
Hartman, George Andrew
Jameson, William Davis
Kemp, William Frederick A.
Kirwan, George Washington
Neilson, Robert Musgrave
Sroud, William Henry
Storke, Seymour Bernard
Torsch, Edward Louis
Wiener, Charles Jefferson
Zimmerman, James Jacob

1869.

Alexander, Simon
Andrews, Charles Carroll
Clark, Albert Dickson
Clayton, William Elliott
Clunet, Louis Sebastian
Dew, Jabez
Evans, Henry Webster
Gallagher, John Joseph M.
Harris, Richard Armstrong
Hoffmann, Franklin Jacob
Keller, Harry Storm
Moore, George Washington
Phelps, Edward Pontany
Schubert, Edward
Shock, Philip Edwin
Snowden, Wilton
Swain, Benjamin Franklin
Turnbull, John William
Wells, Joseph Gist
Wiener, George Washington
Young, Charles Edward Milton

1870.

Armiger, William Lauderbaugh
Bartgis, Caleb Edwin
Cole, William Chester
Eilan, Emanuel
France, Henry Strickler
Jones, Walter
Kirwan, Samuel David
Lobe, Harry Isaac
Millar, James Howard
Nagle, Theodore
Nichols, William Albert
Parker, John
Thompson, William Partlow
Warfield, David Hiram
Young, George

1871.

Beadenkopf, Thomas Milton
Benson, William
Hall, Vernon
Hanzsche, Frederick Allen
Healy, Edward Joseph
Hebden, Edwin
Henschen, Charles Christopher
Hughes, Thomas
Hunt, Charles
Meyers, Charles Franklin
Nash, Charles Wesley
Pattison, Samuel
Pentz, William Hamilton
Sollers, Basil
Taylor, Joshua Douglas
Tumbleson, William Wallace
Weyforth, William Oswald
Wilcox, Theodore Fillmore
Wilhelm, Lewis Webb

1872.

Bailey, George Frank
Blacklock, John Hewlett
Cooper, William Hall
Davis, William George
Deale, John Summerfield
Doyle, Daniel Henry
Farrow, Edward Samuel
Fisher, Charles August
Friese, Philip Henry
Geiger, John William Herman
Goodman, Jacob
Hollander, George
Juvenal, Decimus Junius
McElmoyle, John
Norris, Stephen Foxwell
Sultzer, Henry Clay

1873.

Bergner, William
Bernei, Simon
Bond, Alexander
Buschman, Francis Arago
DeLacour, Edward
Dosh, Homer Samuel
Early, William
Elliott, Thomas Ireland
Gwynn, Henry Bash
Lambright, Benjamin Hartman
Laughlin, David
Marshall, Theodore William
Morgan, Gerard Emory
Morgan, Yelverton Peyton
Morse, Thomas Robert
Murray, Arthur Daniel
Murray, Stockton Reese
Shirk, Henry
Smith, Richard Henry
Smyth, William Thomas
Toner, Lewis Cass
Wagner, Harry Milton
Watson, Charles Robert
White, John Alexander
Wilson, Charles Light

1874.

Chapman, Frank Selby
Cole, Samuel Spencer
Disney, Thomas Hargest
Forsyth, Robert Wright
Grauer, Simon
Hackett, William Medill
Hatch, Edward Richardson
Lederer, Lewis John
McCreary, George Washington
Nicolassen, George Frederick
Rowe, Robert Semple
Schaefer, William Henry
Schwartze, James Willis
Torsch, Frederick Adolphus
Watkins, Joseph Marion
Wiesenfeld, Bernard
Young, William James

1875.

Bernei, Louis Bernard
Berry, Charles C.
Borland, Thomas
Colmary, Abram H.
Cook, Stephen R.
Daneker, George Israel
Dare, Frank McKewen
Delahay, Hamilton
France, Robert Emory
Gans, Edgar Herr
Goodman, Edgar
Haman, B. Howard
Lauer, Martin
Lyon, Ira Clinton
Magruder, Edward Boteler
Mitchell, Charles William
Morgan, Leigh Clinton
Nicholson, Joseph Carmich
Potts, Thomas Gallagher
Scott, John Gordon
Wicks, Edmond Gover

1876.

Adams, Howard Davis
Ash, David
Beck, Frederick William
Bond, Wallace
Boucsein, Gustavus Frederick
Brian, William Charles
Burgunder, Solomon Abraham
Clarkson, Walter Bernard
Cole, Lloyd
Downs, Howard Fletcher
Gilbert, Charles Henry
Goldman, Leon
Jacobi, Herman George
James, Charles Edward
Lauchheimer, Jacob Meyer
Lucas, Harry Fleming
Pentz, Clinton Taylor
Pfister, John Thomas
Rogers, James Smith, Jr.
Sewall, Douglass
Smith, Charles Coleman
Stricklen, Wiltz Raymond
Taylor, Charles Albert
Wynn, James Gould

1877.

Audoun, Milton Whitney
Ball, Thomas Randolph
Barnes, Manly Howell
Chenowith, Harry Milton
Emich, Daniel James
Frisch, John Michael
Gallagher, John Michael
Geis, Edward Joseph
Grape, Jacob, Jr.
Lansdale, Robert Vinton, Jr.
Lauchheimer, Charles Henry
Marley, Luther Carville
Müller, Charles Augustus A. J.
Mitnick, Jacob Joshua Hiram
Noah, Isadore
Quinan, Allen Billingsley
Redgrave, DeWitt Clinton
Spieker, Edward Henry
Ziegler, Samuel Frederick

1878.

Chenoweth, Harry Milton
Grape, Jacob, Jr.
Geis, Edward Joseph
Lefevre, Walter

1879.

Bankard, Edgar Howard
Bayley, William Shirley
Block, Hiram
France, Joseph Chalmers
Heilig, John Carl
McDowell, Whitford Loane
Mitchell, Charles Lee
Porter, Henry Tegmeyer
Quinan, Johnstone Hamilton
Roberts, Howard Newcomer
Robinson, Adoniram Judson
Roth, William Jacob
Watson, Edward Louis

1880.

Albaugh, Harry Davis
Bandel, George Allen
Bringman, John George
Cohen, Lewis Jacob
Collmus, Jacob Henry
Garthe, Louis
Herman, Nathan
Miller, Chas. Wm. Emil
Rose, Douglas Hall
Shugard, George Frederick
Watkins, William Ernest

1881.

Diffenderfer, William Henry
Dryden, Robert Levi
Dunbracco, William Winfield
Frisch, Gustav
Garthe, John Henry
Gibson, Robert Fusselbaugh
Hatch, William Melville
Hopkins, Gerard Thomas
Lang, Richard Daily
Lodge, Gonzalez
McDaniel, Charles Thomas
McGee, Benjamin Franklin
Orndorff, William Ridgley
Robinson, Edward Levi
Walz, William Ferdinand

1882.

Berwanger, Henry B.
Burgess, William Nelson
Healey, Edward J.
Heinritz, George
Hunt, Judson
Lefevre, Arthur
Loane, James A.
Mann, Leon H.
Merryman, Charles G.
Meyer, Ferdinand A.
Norris, Rollin
Ryttenburg, Moses

1883.

Barrett, William L. K.
Brownold, Samson M.
Cummings, Edwin J.
Eichelberger, William S.
Frank, Simon
Gorton, William C. L.
Hannah, Samuel H.
Hartogensis, Benjamin H.
Hisky, T. Foley
Hunt, Arthur
Hunter, Thomas J.
Kelly, William H.
Kenly, William L.
Lambright, William S.
Lloyd, John Howard
Lowenbach, Joseph
Maccaddin, William B.
Price, Harry W.
Smith, William F.
Taylor, Edward F.

1884.

Applegarth, Edward C.
Clunet, Nathaniel S.
Crouch, J. Frank
Disney, Irvin P.
Dreyer, George P.
Emmons, Howard M.
Jones, Walter
Kenley, Ritchie G.
Mathews, John O.
McPherson, J. H. T.
Meeth, Charles H.
Rasch, William Gustav
Rogers, William M.
Willis, Edward W.

1885.

Bell, John S.
Billups, Alfred M.
Black, James W.
Buschman, William G.
Gardiner, Isaac S. H.
Geoghegan, William B.
Hall, William H.
Harper, Charles E.
Miller, William Howard
Owings, Edward R.
Putzel, Lewis
Salmon, Louis E.
Sauerberg, John D.
Taylor, Franklin M.
Taylor, Harry G.
Thomson, Clarence G.

1886.

Booker, George S.
Bothe, Henry J.
Culver, Frank B.
Elliott, Robert W.
Foster, Allyn K.
France, John William
Greenbaum, Harry
Henschen, George N. C.
Lansdale, Joseph T.
Levi, Louis
Mansfield, Arthur D.
Morton, Daniel G.
Plitt, Charles G.
Stirling, James E.
Uhrbrock, Richard H.
Wacker, Oscar
Vickers, Albert
Weston, Benjamin L.
Whitehouse, George H.

1887.

Abercrombie, David T.
Atkinson, Louis W.
Bishop, Howard G.
Burch, William B.
Cook, Vernon,
Goldsmith, Joseph
Goodman, Israel
Gradwohl, Simon
Hall, William A.
Hands, Joseph C.
Harrigan, John J.
Heindle, William A.
Hill, John E.
Himmel, Leon
Horstmeier, Albert W. A.
Koch, Charles J.
Lauchheimer, Sylvan H.
Lemon, Hanson T. A.
North, Samuel M.
Reich, James G.
Schott, Walter
Smith, Robert A.
Wright, Robert C.
Zeigler, O. Woodward

1888.

Base, Daniel
Bell, James William
Butler, Robert Lee
Coale, Carey
Cohen, Abraham
Fincke, Frederick Henry
Galloway, William Francis
Hamilton, Edgar
Howard, Charles McHenry
Leeke, Harry L.
Levy, William B.
Miller, Frederick William
Price, Robert W.
Rawlings, Joshua S.
Singer, Edwin E.
Stevens, Daniel G.
Sudler, Emory
Tressell, Walter E.
Watts, Sewell S.

1889.

Baldwin, Rignal W., Jr.
Bennett, Emory L.
Block, Simon J.
Brown, Thomas R.
Bullock, John S., Jr.
Cohn, Joel
Crouch, Alban B.
Davis, Edwin J.
Greenbaum, Leon
Hamburger, Jonas
Hammond, S. Augustine
Hancock, James E.
Henning, William T.
Hocheder, George
Lamotte, L. Howell
Latané, John H.
Mann, Leonard J.
Moses, Jacob B.
Peppler, Charles W.
Polk, Anderson
Romoser, George A.
Salzman, Marcus
Sim, J. Glenn
Smith, George S.
Sommer, Martin S.
Stein, Charles H., Jr.
Stern, Leopold
Weston, Harry B.
Wilkinson, James W

1890.

Baumgarten ,Morris
Bonn, William Ewin
Burger, Louis
Clarke, Frank Angier
Dixon, T. Freeman
Dowell, Howard B.
Edmondson, J. Hooper
Forrest, Edwin
Getty, G. Albert
Green, Thomas F.
Havez, Jean C., Jr.
Kines, Edw. S.
Mullikin, Clayland
Paine, Charles H.
Pielert, Charles
Soper, Morris A.
Sparks, Francis Edgar
West, Henry S.
White, Wallace D.
Zoller, Henry, Jr.

1891.

Abercrombie, Harry Netherclift
Estep, Wyatt Wiley
Gibbons, Edward Engler,
Jamison, Archibald Balloch
Jamison, Albert Clark
Otto, Charles Albert
Sanders, Thomas George
Scott, David Merrick

1892.

Billard, Frederick Chamberlayne
Gernand, Claude Seiss
Hazeltine, Rutledge Wood
Henderson, Harry Watts
Jackson, Arthur Lester
Kaufman, Marcus
Miller, Carroll Clifford
Moore, Charles Edgar
Nitzel, Henry Michael
Oliver, Edward Spiller
Robinson, John Andrew
Rogers, James Sappington
Ruppel, John Frederick Julius
Sewell, George Andrew Palmer
Strayer, Paul Moore
Strobel, Edgar Randolph
Waters, Campbell Easter
Weisner, Harry Lee
Williams, Thomas Charles
Wright, DeCourcy

1893.

Adams, Thomas Sewell
Armstrong, Horace
Beatty, Cornelius
Bonn, Anthony
Caspari, Charles Edward
Feig, Charles Bertram
Frank, Louis
Gantz, Albert Dale
Kurrelmeyer, William
Lanahan, Henry
Miller, Francis Marion
Myers, Charles Evers
North, Harvey Ward
Renshaw, Clarence
Rynehart, Henry Merryman
Sanders, Morgan
Sanford, John Lowry
Sickel, Edward
Sumwalt, John Wesley Richardson
Thomsen, William Edward
Torsch, Charles Burnett
Trippe, James McConky
Tyler, William Gurdon
Van Horn, William Oliver
Wallis, William Fisher
Warfield, Frederick Howard
Welbourn, John Armistead
Wolf, Isaac Stewart George

LAUREATES OF THE PEABODY FOUNDATION.

The following is a complete list of those graduates who, year by year, have received Peabody prizes:

1858.

Dorry, John Campbell
Miller, Henry Clay
Davenport, Thomas
Dell, John Everett
Baer, Thomas Sargent
Weatherby, Jeremiah Smith
Weber, Paul Ferdinand

1859.

Webster, Joseph John Gurney
Kelly, Thomas
McNelly, Hugh
Holmes, Thomas
Nagle, William
Peirson, Thomas George
Richardson, Charles Herbert

1860.

Johnson, Howard Edgar
Wolfe, Francis Eugene S.
Clark, Asbury Jones
Robinson, Oliver P.
Uber, Carlton A.
Prior, Philip
Cook, Wm. Wright Louis

1861.

Appleby, George F.
Cook, Gilbert C.
Torsch, Charles H.
Coburn, George
Ball, Thomas Sewell
Starr, William E.
Reeves, Charles H.

1862.

Towson, Henry Clay
Helfrich, Samuel Dutton
Westerman, Samuel Eggleston
Keller, Wilmer Lansfield
Storke, Alexander Lamb
Shutze, John Augustus
Dietsch, Ferdinand Frederick

1863.

Miller, Theodore Klein
Nelson, Victor Holmes
Wilson, James Patterson
Weil, Mayer Star
Spieker, George Frederick
Hunt, William Beall
Toner, Zachary Taylor

1864.

Simpson, John Wesley
Cook, Charles Oscar
Richardson, Standish Barry
McCarthy, John
Stehl, Gustavus Louis
Stewart, William Cooper
Young, Charles

1865.

Frame, James
Wilcox, Alexander Martin
Yeisley, George Conrad
Hoffman, Charles August
Patten, Amos Williams
Smith, William Thomas
Bates, Edward Bayley

1866.

Lauer, Solomon
Irvin, George Lawrence
Greenbaum, Daniel
Troeger, Andrew
Brown, Emmet
Harvey, William Thomas
Jones, John Edwin

1867.

Miller, Elmer Slack
Miller, William Reynolds
Chichester, William John
Leitch, Robert Rose
Gillaspey, George Washington
Thomiz, Herman Washington
Miller, Daniel Schaffer

1868.

Frank, Marcus Aaron
Dobler, John Jenkins
Campbell, John Samuel
Sroud, William Henry
Zimmerman, James Jacob
Torsch, Edward Louis
Storke, Seymour Bernard

1869.

Swain, Benjamin Franklin
Wiener, George Washington
Young, Charles Edward Milton
Turnbull, John William
Schubert, Edward
Wells, Joseph Gist
Clayton, William Elliott

1870.

Armiger, William Lauderbaugh
Young, George
Parker, John
Nagle, Theodore
Millar, James Howard
France, Henry Strickler
Jones, Walter

1871.

Tumbleson, William Wallace
Beadenkopf, Thomas Milton
Meyers, Charles Franklin
Nash, Charles Wesley
Pentz, William Hamilton
Wilhelm, Lewis Webb
Sollers, Basil

1872.

McElmoyle, John
Norris, Stephen Foxwell
Goodman, Jacob
Hollander, George
Friese, Philip Henry
Juvenal, Decimus Junius
Geiger, John William Herman

1873.

Morgan, Yelverton Peyton
White, John Alexander
Murray, Arthur Daniel
Morgan, Gerard Emory
Bernei, Simon
Shirk, Henry
Murray, Stockton Reese

1874.

Young, William James
Lederer, Lewis John
McCreary, George Washington
Hatch, Edward Richardson,
Cole, Samuel Spencer
Schaefer, William Henry
Nicolassen, George Frederick

1875.

Bernei, Louis B.
Haman, B. Howard
Morgan, Leigh C.
Potts, Thomas G.
Nicholson, James C.
Goodman, Edgar
Lauer, Martin

1876.

Clarkson, Walter B.
Stricklen, Wiltz R.
Lauchheimer, Jacob M.
Pfister, John T.
Beck, Frederick W.
Burgunder, Solomon A.
Brian, William C.

1877.

Spieker, Edward H.
Müller, C. Augustus A. J.
Mitnick, Jacob J. H.
Lauchheimer, Charles H.
Chenoweth, Harry M.
Ziegler, Samuel F., Jr.
Geis, Edward J.

1878.

Chenoweth, Harry M.
Geis, Edward J.
Lefevre, Walter
Grape, Jacob, Jr.

1879.

France, Joseph C.
McDowell, Whitford L.
Heilig, John C.
Bankard, Edgar H.
Robinson, A. Judson
Bayley, William S.
Mitchell, Charles L.

1880.

Miller, Chas. Wm. Emil
Rose, Douglas H.
Garthe, Louis
Albaugh, Harry D.
Cohen, Lewis J.
Shugard, George F.
Bringman, John G.

1881.

Lodge, Gonzalez
Hatch, William Melville
Hopkins, Gerard Thomas
Gibson, Robert F.
Garthe, John H.
McDaniel, Charles T.
Orndorff, William R.

1882.

Meyer, Ferdinand A.
Ryttenberg, Moses
Norris, Rollin
Mann, Leon H.
Loane, James A.
Burgess, William N.
Merryman, Charles G.

1883.

Lambright, William S.
Smith, William F.
Gorton, William C. L.
Hisky, T. Foley
Brownold, Samson M.
Eichelberger, William S.
Lowenbach, Joseph

1884.

McPherson, J. Hanson Thomas
Crouch, J. Frank
Dreyer, George P.
Applegarth, Edward C.
Disney, Irvin P.
Meeth, Charles H.
Emmons, Howard M.

1885.

Miller, William Howard
Harper, Charles E.
Black, James William
Salmon, Louis E.
Taylor, Harry G.
Putzel, Lewis
Owings, Edward R.

1886.

Greenbaum, Harry
Culver, Frank B.
Elliott, Robert Wilbur
France, John William
Plitt, Charles Christian
Levi, Louis
Foster, Allyn King

1887.

Cook, Vernon
Bishop, Howard G.
Lauchheimer, Sylvan H.
Goldsmith, Joseph
Horstmeier, Albert W. A.
Schott, Walter
Koch, Charles J

1888.

Cohen, Abraham
Galloway, William Francis
Watts, Sewell S.
Base, Daniel
Howard, Charles McHenry
Fincke, Frederick Henry
Leeke, Harry L.

1889.

Brown, Thomas R.
Stein, Charles H., Jr.
Greenbaum, Leon
Romoser, George A.
Salzman, Marcus
Stern, Leopold
Bennett, Emory L.

1890.

West, Henry S.
Bonn, William Ewin
Dowell, Howard B.
Clutz, Frank H.
Baumgarten, Morris
Soper, Morris A.
Burger, Louis.

1891.

*No prizes were distributed this year, the conditions not having been met.

1892.

Oliver, Edward Spiller
Nitzel, Henry Michael
Jackson, Arthur Lester
Ruppel, John Frederick Julius
Billard, Fred'k Chamberlayne
Strayer, Paul Moore
Rogers, James Sappington

1893.

North, Harvey Ward
Lanahan, Henry
Feig, Charles Bertram
Sumwalt, John W. Richardson
Renshaw, Clarence
Kurrelmeyer, William
Trippe, James McConky.

RECIPIENTS OF THE SHAKSPEREAN PRIZE.

1879.....Johnstone H. Quinan.
1880.....Douglas H. Rose.
1881.....Benjamin F. McGee.
1882.....Arthur Lefevre.
1883.....J. Edwin Cummins.
1884.....Irvin P. Disney.
1885.....John S. Bell.
1886.....Frank B. Culver.
1887.....Simon S. Gradwohl.
1888.....Edwin E. Singer.
1889.....William T. Henning.
1890.....Albert G. Getty.
1891.....Harry N. Abercrombie.
1892.....Paul M. Strayer.
1893.....James McConky Trippe.

Rules Relating to Baltimore City College.

I. COMMITTEE.

The legislative power over Baltimore City College shall be vested in the committee on said College.

II. FACULTY.

The faculty shall consist of a principal, vice-principal and such professors and tutors as may be necessary for the proper working of the College. Meetings of the faculty to consult in regard to the interests of the College and for the transaction of such business as may properly come before them shall be called by the principal at such times as he may deem necessary, or when requested to do so by two or more of the professors.

III. COURSE OF STUDY.

The full course of study for graduation shall extend over a period of five years, and shall include the English, French, German and Latin languages (Greek optional), History, Writing and Book-keeping, Arithmetic reviewed, Algebra, Geometry, Plane and Spherical Trigonometry and their applications, Analytical Geometry, Calculus, Physiology, Chemistry, Natural Philosophy, Astronomy, Rhetoric, Drawing, Political Economy and Civil Government.

Students who complete the course satisfactorily shall receive proper certificates.

IV. CURRICULUM.

The curriculum shall be as follows:

FIRST YEAR.

History of United Slates, History of England, Writing, Composition, Drawing, Natural Philosophy, English Literature, Latin, Book-keeping, Algebra, Geometry.

SECOND YEAR.

Composition, English Literature, Book-keeping, Natural Philosophy, Drawing, Latin, German, Geometry, History of Rome, Mensuration.

THIRD YEAR.

Rhetoric, Composition and Elocution, History of English Literature, Drawing, Latin, Chemistry, History of Greece, German, Greek (optional), French, Trigonometry and applications, Review of Mathematics.

FOURTH YEAR.

English Literature, Constitution of the United States, Chemistry, Latin, Greek, French, Surveying and Navigation, German, Drawing, Analytical Geometry, Astronomy, History of Eastern Nations, Composition, Civil Government.

FIFTH YEAR.

Latin, Greek, Calculus, English Literature, Logic, Mental Philosophy, Political Economy, French, German, Chemistry, Astronomy, Drawing.

No pupil shall be excused from any study as above arranged, without the consent of the committee; and any pupil who may be excused shall forfeit all right to contest for the graduating honors and prizes.

V. EXAMINATION AND ADMISSION.

There shall be an examination of candidates for admission to the Baltimore City College annually in the month of June, to be conducted in such manner as shall be prescribed by the Board, and the result of such examination shall be submitted to the Board as soon thereafter as practicable.

All boys in the eight grade of the grammar schools (not otherwise promoted) who are 14 years of age, of good moral character, and who shall pass an examination in the studies pursued in said eight grade to the satisfaction of the committee, shall be entitled to admission. Boys not pupils of the public schools may be admitted to the Baltimore City College upon the same conditions as the pupils of said grammar schools; and notice of this privilege shall be given in the daily papers at least ten days before each annual examination. If any admitted student should not take his seat in the College within *one week* from the beginning of the term, he shall not be entitled to admission, unless the delay be caused by sickness or unavoidable absence from the city.

No candidate who has been guilty of truant-playing, or any other grossly improper conduct during the scholastic year, shall be examined or admitted without the authority of the Committee on Baltimore City College; and it shall be the duty of principals to report all such candidates to the committee for its action.

Boys of fourteen years of age who are not pupils of the grammar schools may be examined for admission at such times and on such conditions as may be deemed proper by the committee.

No pupil who has been removed from Baltimore City

College shall be readmitted, unless by special action of the committee.

VI. DUTIES OF THE FACULTY.

The principal shall be charged with the government of the school and the general supervision of its studies, subject to the advice and direction of the committee. He shall also have charge of the rooms, furniture, library, cabinets, apparatus and other property of the school, and shall be accountable to the Board for the proper use and preservation of the same. At the close of each year he shall present to the Board a report on the condition and wants of the school. In his absence the vice-principal shall have charge of the school.

The professors, severally, shall be responsible for the improvement of their classes, and for the safe-keeping of the furniture, etc., of their class-rooms.

The professor of writing and book-keeping shall act as secretary to the faculty, and perform all the clerical work incident to said position, and to the preservation of the necessary records.

VII. DISCIPLINE.

The professors, in their respective departments, shall maintain order, enforce obedience, and urge to application by such incentives as are consistent with these general regulations, avoiding at all times the use of harsh or opprobrious epithets.

Each professor shall keep a diary or register of conduct, in which he shall note any act of misconduct, whether ordinary or special, which occurs in his presence or which comes properly under his notice, with the amount of his censure expressed in demerit

marks. He shall leave his diary with the principal, when required, once a week or oftener; and it shall be the duty of the principal to examine such entries and approve them, or (after consultation with the professor) make such change in said demerit marks as in his opinion shall be just, and then the same shall be carried into the demerit ledger; but all such changes which may not meet the approval of the professor shall be reported to the committee for its action, and such entry on the ledger shall be final, unless changed by a vote of the faculty or disapproved of by the committee.

The students are required to be punctual in their attendance, diligent in their studies, respectful and polite towards their teachers, kind and civil in their intercourse with each other, and to observe order and decorum in going to and returning from school.

Offences against the government of the school shall be classed as *ordinary* and *special;* the first including everything which hinders the progress of study, or is in its nature improper, and which might be avoided by due attention on the part of the student, but which is rather the result of carelessness than a deliberate purpose to offend; and the second including every kind of intentional misconduct.

The particular acts embraced under the class of ordinary offences shall be made known officially, from time to time, as the exigencies of the school may require; and for each of these offences there shall be, in the first instance, a demerit mark of one. If the offence be committed after a special warning by the professor, it shall be so recorded, and incur a demerit mark of two; and an additional demerit mark for each additional

warning; provided, however, the demerit marks for for this class of offences shall not exceed five.

The demerit for lateness and absence, when the detention is not occasioned by sickness, necessary attendance on the sick, or some equally imperative cause, shall be as follows: Lateness, ten minutes or less, one; more than ten minutes and not more than thirty, two; more than thirty minutes and not more than the first recitation period, three; any larger part of the day, four; absence a whole day, five. This does not include truant-playing, which is embraced under the head of special offences. When a student has been late or absent it shall be his duty, on his appearance at the school, to deliver to the principal a note, signed by his parent or guardian, stating the length and cause of such detention, in order that it may be judged of under this rule.

No student, after entering the school in the morning, shall leave, under any pretext whatsoever, before the close of the session, without the written permission of the principal; and it shall be the duty of the principal to record in his diary the name, the time, and the cause of such permission when granted.

When any offence has been committed which seems to require more than usual notice, the professor in whose presence it occurred shall either send the offender at once to the principal, or cite him to appear before the faculty, according to the grade of the offence; and every student shall promptly report himself to the principal, or answer his citation before the faculty, as required.

Every act of truant-playing shall, in the first instance, incur a demerit mark of ten for each day of such absence, accompanied with admonition, public

or private, according to the circumstances of the case; and if repeated after such admonition, the truant shall be indefinitely suspended, and his case reported at once to the committee.

Any student presenting a note or other writing falsely purporting to be signed by his parent, guardian or other responsible person, shall be deemed guilty of a very grave offence, and shall be dealt with by the committee in their discretion.

Any student losing, destroying or injuring any property of the Board, teachers, or of his fellow-students, shall make adequate pecuniary compensation, irrespective of whatever school censure the circumstances of the case may require.

The parents or guardians of pupils habitually indolent, or so irregular in their attendance as to prevent their advancement with their classes, will be requested to withdraw them, and in case of refusal, such pupils shall be reported to the committee for expulsion.

For any gross offence, which seems to require it, a student may be suspended by the principal, and the case reported immediately to the committee.

When the number of a student's demerit marks in one quarter amounts to 50, it shall be the duty of the principal to suspend him. If then the student and his parent or guardian appear before the faculty, and give such assurances as may lead them to believe there will be a decided reformation, they may, in their discretion, re-admit him on trial, or refer his case to the committee at their next stated meeting. Should he again, after such re-admission, accumulate 50 demerit marks before the end of the next quarter, he shall be indefinitely suspended by the faculty, and reported for dismissal to the committee at the next stated meeting.

All suspensions, whether by the principal or the faculty, shall be recorded on the minutes. Students under suspension, as all others, are required to attend the term examinations.

A student may be promoted or degraded at any time by a vote of the faculty.

Each professor shall keep a daily record of recitations, estimating the value of each on a scale running from 0 to 100. At the end of the quarter these will be averaged. From the averages of the several professors a general average will be obtained, called the Quarterly Averages of Scholarship. At the end of each term (the term consisting of two quarters) a rigid examination of the classes will be held in the studies of the term, and the results expressed numerically on a scale of 100. The average of these results, combined with the quarterly averages of the same term, will give the Term Averages of Scholarship. The average of the term averages of scholarship for any given scholastic year will give the Annual Average of Scholarship. The average of scholarship for the fourth and fifth years will be the Final Average of Scholarship.

The marks of demerits which a student may have incurred during the quarter will be deducted from one hundred, which will give the Quarterly Grade of Conduct. The average of the two quarterly grades will give the Term average of Conduct. The average of all the term averages will give the Final Average of Conduct.

The quarterly average of scholarship, combined with the quarterly grade of conduct, will give the Quarterly Average of Merit. The term average of scholarship, combined with the term average of conduct, will give the Term Average of Merit. The final average of

scholarship, combined with the final average of conduct, will give the Graduating Average. The student whose graduating average is the highest, will stand No. 1, the one next highest No. 2, etc.

Unless otherwise arranged by the faculty, the student whose graduating average is the highest, *i. e.*, who stands No. 1, shall at the commencement deliver the honorary oration; the one who graduated No. 2, *i. e.*, whose graduating average is second in order of merit, shall deliver the valedictory; and the one who graduates No. 3, shall deliver the salutatory address.

The three students who stand the highest will each be entitled to a Peabody prize of the first grade (one hundred dollars), and the next four will each be entitled to a Peabody prize of the second grade (fifty dollars).

Those students in all the classes, whose term average of merit is not less than ninety, shall be ranked as Distinguished; and those whose term average is less than ninety, but not less than eighty, shall, in like manner, be ranked as Meritorious. The rank of graduates in this respect will be announced. For promotion from the first year to the second, the annual average of scholarship shall be sixty; from the second to the third, sixty-five; from the third to the fourth, seventy; from the fourth to the fifth, seventy; and no student will be allowed to graduate with his class whose final average of scholarship or whose graduating average falls below seventy; provided, however, that no student shall be allowed to graduate who shall fall below sixty in any one department of study. In addition to the above requirements for promotion, students must obtain an average of at least sixty in each study, but the faculty may in their discretion promote a student who is deficient in but one subject.

Those students who leave the College at the close of the scholastic year, not having finished the full course, but whose deportment and scholarship are up to the required standard for promotion to the next class, shall publicly receive a certificate of said standing, at the time of the distribution of the prizes and diplomas of the graduating class.

VIII. GENERAL RULES.

The rules and regulations for the public schools, both in regard to teachers and pupils, in so far as they are not superseded by the foregoing, shall be in force in Baltimore City College.

List of Books Used in Baltimore City College.

Allen (F. D.)—Euripides' Medea.
Allen (W. F.)—New Latin Composition.
Allen and Greenough—Ovid (with Vocab.)
Alexander—Moral Science.
Boise—Homer's Iliad (first six books).
Bolmar (A.)—French Verbs.
Brandt—German Grammar.
Bowser—Analytical Geometry.
Chase (R. H.)—Maclean's Horace.
Chase & Stuart—Virgil's Æneid; Horace; Cæsar's Commentaries; Sallust (with Lexicon); Cicero's Orations (with Lexicon); and Livy.
Collier (W. F.)—History of the British Empire.
Crittenden—Blanks for New Elementary Book-keeping.
DeFivas—Elementary French Reader.
Dulany—Martin's Elementary Human Body; and Bill of Rights and Constitution of Maryland.
Dana—Text-book of Geology (revised).
Eliot & Storer—Qualitative Chemical Analysis.
Ely—Political Economy.
Flagg—Domosthenes' Hellenic Orations.
Goethe—"Egmont."
Goodwin (W. W.)—Greek Grammar; and Greek Reader.
Gildersleeve—Latin Grammar; Latin Reader; New Latin Primer; and Latin Exercise Book.
Gage—Elements of Physics.
Harper—Herodotus (cloth, 2 vols.)
Harrington (C. S.)—Plautus.

Haven (J.)—Mental Philosophy.
Heath—New German Dictionary; and New French Dictionary.
Hepburn—Manual of Rhetoric.
Joynes—Schiller's "Der Geisterseher."
Joynes-Otto—Introductory German Lessons.
Jones—Greek Prose Composition.
Johnson—United States History.
Kendrick—Xenophon's Anabasis (with Vocab).
Kendrick (J. B.)—Greek at Sight.
Keetels—French Series.
Liddell & Scott—Greek-English Lexicon (ab'd),
Lessing—Minna von Barnhelm (Students' Classic German Plays).
Lounsbury—English Language (Hand Book for Students).
Lockyer—Astronomy.
Loomis (E.)—Calculus.
Lippincott—Gazetteer of the World, with Supplement (sheep).
Myers & Allen—Ancient History, Part 1; and History of Rome, Part II.
Noel & Chapsal—French Literature.
Ollendorff—French Method (Value).
Olney—General Geometry and Calculus.
Packard—New Manual of Book-keeping and Correspondence.
Prang—System of Drawing.
Quackenbos—Advanced Composition and Rhetoric; and First Lessons in Composition.
Remsen—Organic Chemistry; and Briefer Course in Chemistry (Am. Sci. Series).
Ray—New Higher Algebra.
Shepherd (H. E.)—History of the English Language.

Raddatz—Schiller's "Neffe Als Onkel."
Spencerian—Copy Books.
Shaw (T. B.)—New History of English Literature.
Sargent—Standard Speaker.
Tyler (W. S.)—Tacitus' Histories.
Tomlinson—Latin for Sight Reading.
Upham—Mental Philosophy (abridged).
Van Daell—Heine's "Die Harzreise."
Voltaire—History of Charles XII (18mo).
White (J. W.)—First Lessons in Greek.
White (J. T.)—Latin-English and English-Latin Lexicon.
Whitney (W. D.)—Brief German Grammar; Wilhelm Tell; and Essentials of English Grammar.
Westlake—How to Write Letters.
Wentworth (G. A.)—Plane and Solid Geometry (rev.); Plane and Spherical Trigonometry and Surveying with Table; and Surveying and Navigation, with Tables.
Wilson (W.)—The State.
Webster—Dictionaries—International and High School.
Zacho—New American Speaker.

[FINIS.]

Sixty-sixth Annual Report

— of the —

Board of Commissioners

— of —

PUBLIC SCHOOLS,

— to the —

Mayor and City Council of Baltimore,

— for the —

Year ending December 31, 1894.

BOARD OF COMMISSIONERS OF PUBLIC SCHOOLS

FOR 1894.

OFFICERS:

PRESIDENT.....JOHN T. MORRIS.
SECRETARY.....HENRY M. COWLES.
SUP'T OF PUBLIC INSTRUCTION.....HENRY A. WISE.
ASSISTANT SUP'T OF INSTRUCTION.....JOHN E. McCAHAN.
ASSISTANT SECRETARY.....ALBERT MARSHALL.
SUPERINTENDENT OF SUPPLIES.....CHRISTIAN W. KEIDEL.
LIBRARIAN.....FRANCIS J. RUTH.
CLERK TO SECRETARY.....WILLIAM F. O'CONOR.

MEMBERS OF THE BOARD:

HON. FERDINAND C. LATROBE, MAYOR.

Ward.		*Term Expires.*
1.	JOSEPH L. FARNEN	1897
2.	SIMON L. FELBER	1895
3.	JOHN B. WENTZ	1896
4.	GEORGE F. LOUDERMAN	1898
5.	WILLIAM H. B. FUSSELBAUGH, OF J.	1897
6.	JOHN T. OCHS	1896
7.	MARTIN B. BILLINGSLEA, M.D.	1898
8.	JOHN T. FOLEY	1895
9.	MICHAEL SHEEHAN	1895
10.	JOHN T. MORRIS	1898
11.	WILLIAM W. DIX	1896
12.	JAMES W. DENNY	1897
13.	CHARLES J. WIENER	1895
14.	JAMES BOSLEY, M.D.	1896
15.	JOHN H CARLE	1897
16.	JOHN D. BLAKE, M.D.	1898
17.	JOSEPH P. McGONIGLE	1896
18.	ROBERT H. CORNTHWAITE	1898
19.	MERVILLE H. CARTER, M.D	1895
20.	JAMES L. MURRILL	1897
21.	DANIEL W. SMITH, M.D	1897
22.	ARTHUR H. JACKSON	1897

STANDING COMMITTEES.

1. Baltimore City College.
Messrs. Foley, Bosley, Denny, Carter, President and Superintendent.

2. Female High Schools.
Messrs. Wentz, Wiener, Fusselbaugh, Dix, Murrill, Ochs, President and Superintendent.

3. Grammar Schools.
Messrs. Fusselbaugh, Farnen, Carter, Sheehan, Ochs, President and Superintendent.

4. Primary Schools.
Messrs. Smith, Dix, Foley, Billingslea, Louderman and Assistant Superintendent.

5. English-German Schools.
Messrs. Felber, Wentz, Wiener, Blake and Ochs.

6. Polytechnic Education.
Messrs. Wentz, Felber, Sheehan, Dix, Murrill, President and the Mayor.

7. Colored Schools.
Messrs. Dix, Denny, Smith, Farnen, Cornthwaite and Superintendent.

8. Normal School.
Messrs. Carter, Murrill, Wiener and Superintendent.

9. Text Books.
Messrs. Denny, Wentz, Bosley, Wiener, Jackson, President, Superintendent and Assistant Superintendent.

10. Furniture.
Messrs. Jackson, Carter, Billingslea, Dix and McGonigle.

11. Music.
Messrs. Wentz, Felber, Blake, Foley and Carle.

12. Discipline.
Messrs. Blake, Dix, Carle, Fusselbaugh, Felber, President, Superintendent and Assistant Superintendent.

13. Accounts.
Messrs. Murrill, Wiener, Louderman, Fusselbaugh and McGonigle.

14. Expenditures.
Messrs. Louderman, Carle, Smith, Bosley, Ochs and President.

STANDING COMMITTEES—*Concluded.*

15. Examinations.
Messrs. Cornthwaite, Smith, Dix, President, Superintendent and Assistant Superintendent.

16. Bi-Weekly Reports.
Messrs. Billingslea, Louderman and Sheehan.

17. Conference.
Messrs. Ochs, Denny, Jackson, Felber and Blake.

18. Buildings.
Messrs. Carle, Bosley, Cornthwaite, Sheehan, McGonigle, President, Superintendent and Assistant Superintendent.

19. Printing.
Messrs. Foley, Blake and Billingslea.

20. Health.
Messrs. Bosley, Smith and Billingslea.

21. Drawing.
Messrs. Sheehan, Carter, Murrill, Cornthwaite and Farnen.

22. Intestates' Estates.
Messrs. Wiener, Wentz and Farnen.

23. Heating Apparatus and Fuel.
Messrs. McGonigle, Cornthwaite, Louderman, Carter, Billingslea and President.

24. Rules.
Messrs. Denny, Wentz and Fusselbaugh.

25. Public School Library.
Messrs. Wentz, Carter, Foley, Dix and President.

26. Non-Resident Pupils.
Messrs. Farnen, Jackson and President.

27. Half-Time Schools.
Messrs. Foley, Wiener, Sheehan, President, Superintendent and Assistant Superintendent.

28. Night Schools.
Messrs. President, Cornthwaite, Carle, Foley and Wentz.

29. Sewing.
Messrs. Fusselbaugh, Ochs, Denny, Blake, McGonigle, President, Superintendent and Assistant Superintendent.

REPORT

— OF THE —

Board of Commissioners of Public Schools

OF BALTIMORE.

OFFICE OF COMMISSIONERS OF PUBLIC SCHOOLS,

January 1st, 1895.

To the Honorable, the Mayor and
City Council of Baltimore:

The Board of Commissioners of Public Schools respectfully presents its Sixty-sixth Annual Report, showing its transactions for the year ending December 31, 1894, with a full account of receipts and expenditures to that date, and an estimate of the amount required for current expenses of the schools for the year 1895.

The accompanying reports of the superintendents contain full and valuable information with reference to the work and condition of the schools, and important recommendations for their future improvement and success. These reports and the annual

report of the Committee on Accounts, and the detailed statement of the Secretary, will furnish full information with reference to the work, general condition and wants of our schools, and will enable you to intelligently co-operate with us in the support and control of the department of public education.

Another year has passed since our last annual report, which is but a short period in the history of our school system; and yet it may be possible even in that short time to make great progress and accomplish important results. The report of each succeeding year must to some extent be a repetition of the past, and yet it is necessary to repeat from year to year the same important and impressive truths which underlie all correct systems of public education, for the purpose of removing the doubts and prejudices of enemies and sustaining and strengthening the influence and effort of friends. The public wishes to know whether our schools are as good or better than they were the previous year, and for that purpose examines the work and seeks to ascertain comparative results. If investigation shows that the schools have made no progress, then there is reason to suppose that some obstacle is in the way which ought to be removed. If, however, the number of schools and teachers and pupils has increased, and energy and zeal and faithful work prevail, then it may fairly be presumed that the schools are satisfactorily managed

and good results obtained. Applying these principles to the work and condition of our schools during the past year, there is much that is encouraging for the present and hopeful for the future. The number of pupils has largely increased, the teachers have generally performed their important work with fidelity, the standard of public education has advanced, and there is undoubted evidence of improvement in our schools.

SCHOOL STATISTICS.

The whole number of schools of various grades during the year was 179, under the charge of 1,626 teachers, classified as follows:

Baltimore City College.

Number of schools	1
Number of male teachers	16
Number of pupils on roll December 31, 1894	636
Average number on roll during the year	561
Average attendance	524
Percentage of attendance	93.4

Female High Schools.

Number of schools	2
Number of male teachers	2
Number of female teachers	25
Number of pupils on roll December 31, 1894	1,058
Average number on roll during the year	981
Average attendance	931
Percentage of attendance	94

Polytechnic Institute.

Number of schools	1
Number of male teachers	20
Number of pupils on roll December 31, 1894	543
Average number on roll during the year	494
Average attendance	468
Percentage of attendance	95

Grammar Schools.

Number of schools	41
Number of male teachers	36
Number of female teachers	330
Number of pupils on roll December 31, 1894	14,178
Average number on roll during the year	13,349
Average attendance	11,889
Percentage of attendance	89.5

Primary Schools.

Number of schools	70
Number of female teachers	569
Number of pupils on roll December 31, 1894	22,325
Average number on roll during the year	21,821
Average attendance	18,529
Percentage of attendance	84.5

English-German Schools.

Number of schools	5
Number of male teachers	14

Number of female teachers	127
Number of pupils on roll December 31, 1894	5,695
Average number on roll during the year	5,455
Average attendance	4,973
Percentage of attendance	91

Colored Schools.

Number of schools	21
Number of male teachers	24
Number of female teachers	168
Number of pupils on roll December 31, 1894	7,853
Average number on roll during the year	7,228
Average attendance	5,857
Percentage of attendance	81

Colored Manual Training School.

Number of schools	1
Number of male teachers	6
Number of pupils on roll December 31, 1894	98
Average number on roll during the year	87
Average attendance	76
Percentage of attendance	88

Annex Schools.

Number of schools	23
Number of male teachers	18
Number of female teachers	172
Number of pupils on roll December 31, 1894	7,422

Average number on roll during the year	7,092
Average attendance	5,878
Percentage of attendance	82

Night Schools.

Number of schools	14
Number of male teachers	41
Number of female teachers	28
Number of pupils on roll December 31, 1894	2,215
Average number on roll during the year	1,989
Average attendance	1,137
Percentage of attendance	57

In addition to the above mentioned teachers, there are 30 special teachers, two of whom are superintendents of music, 13 are teachers of drawing, and 15 of sewing.

It will be seen from the above statistics that the total number of enrolled pupils at the end of the year was 62,023, of which 59,808 were in the day schools, and 2,215 in the night schools, under the charge of 1,626 teachers. The average attendance in the day schools was 49,125, and in the night schools was 1,137; and the whole number of pupils who attended the schools during the year, excluding duplicate enrollments, was 78,275. There was an increase of 2,760 pupils in the day schools and 1,013 in the night schools over the previous year, being a total increase of 3,773. The average percentage of attendance in

the day schools was 86, ranging from 95 in the Western Female High School and Polytechnic Institute, to 81 in the colored schools; and the percentage in the night schools was 57.

The whole number of *non-resident pupils* in the schools during the year was 234, and on roll at the end of the year was 164, being more than during the previous year; and the amount received from them for tuition and use of books was $3,557.45, as follows:

Polytechnic Institute	$ 913 00
Baltimore City College	812 50
Female High Schools	232 00
Grammar Schools	1,049 75
Primary Schools	166 00
English-German Schools	32 00
Annex Schools	350 20
Colored Schools	2 00

The public schools of Baltimore were established for the free instruction of children whose parents or guardians are residents of the city, but the children of non-residents are admitted on the annual payment in advance of the fees prescribed by the city ordinance, namely, Baltimore City College, $50; Polytechnic Institute, $50; Female High Schools, $32; Grammar Schools, $16; Primary Schools, $12. The object of this ordinance was to exclude from the schools the children of parents or guardians who reside permanently in the counties,

and who contribute nothing to the support of the city. Its application to such persons is fair and just. It is proper that those persons should be excluded from the privileges of our schools who are unwilling to pay any taxes for their support, or who otherwise oppose the material interests of the city. But there are many persons who own valuable property in the city who are compelled temporarily to reside in the county for the benefit of their health or other good causes. They pay annually a large amount of taxes for the support of the schools, and feel that their children ought to be admitted on the usual terms and free of any charge, and yet they are excluded under the legal construction of the ordinance. The members of the Board have often been embarrassed in construing the ordinance in its application to numerous cases presented for their decision, and it was therefore determined several years ago to refer the whole subject to the City Solicitor (then Bernard Carter) for his opinion. The applications for exemption from the terms of the ordinance were embraced in four classes, which were presented in the following questions submitted to him: 1st. When the parent or guardian is a taxpayer in Baltimore city, but resides outside of the city limits, does the fact of his being a taxpayer in any way affect his obligation to pay the fees charged in the ordinance? 2d. Are parents or guardians who actually live beyond the city limits, but claim that they are registered voters of the city, and that they

are only temporarily absent and expect to return, to be treated as residents or non-residents under the ordinance? 3d. When the parents or guardians of the pupils are non-residents, but the pupils themselves are residing with relatives or friends who are residents of the city, the parents or guardians being unable to support and care for them, and the friends or relatives clothing, supporting and otherwise providing for the pupils entirely, although not legally appointed the guardians of the children, is the fee to be charged for these pupils under the ordinance? 4th. Where the parents or guardians admit that they are non-residents, but claim that they are unable to pay the charge, has the Board any power to admit such pupils free? In reply to these questions the City Solicitor gave the opinion that only those who are embraced within the third class are exempt from payment under the ordinance, and that all others must pay; and the Board has continued to act under this opinion in its construction and application of this ordinance. This matter is again submitted for your consideration to determine whether there might be some modification of the ordinance so as to remove the existing objections to it.

The *average annual salary of the teachers was* $564, being less than during the previous year, and much less than the salaries of teachers of the same grades in the public schools of other cities.

The *average per capita cost* of all the pupils in the day schools, based on enrollment and current expenses, was $18.37; and in the several grades was as follows: Baltimore City College, $59.40; Female High Schools, $31.72; Male Grammar Schools, $21.11; Female Grammar Schools, $17.15; English-German Schools, $16.01; Male Primary Schools, $15.28; Female Primary Schools, $14.75; Polytechnic Institute, $56.82; Colored Manual Training School, $89.62; Colored High and Grammar Schools, $20.35; Colored Primary Schools, $14.16; Annex Schools, $18.39.

FINANCIAL STATEMENTS.

The total appropriation made for the current expenses of the schools was $1,150,815, of which sum $1,012,515 was for the first twenty wards, and $138,300 for the Twenty-first and Twenty-second Wards.

The total amount expended was $1,110,316.02, of which $973,825.25 was for the schools in the first twenty wards, and $136,490.77 for schools in the Twenty-first and Twenty-second Wards, leaving an unexpended balance of $40,498.98 to the credit of this department at the end of the year.

RECEIPTS.

The total receipts for current expenses of the schools were as follows:

From City Collector, taxes		$914,086 04
" State Treasurer, "		214,726 14
" Non-resident pupils		3,557 45
" John F. Plummer, interest on legacy		114 50
		$1,132,484 13

This is the largest amount ever received in any year for the use of the schools, the payment by the City Collector being $120,427.35 more than during the previous year.

STATE AND CITY SCHOOL TAX.

The amount annually received from the State Treasurer for the use of the public schools in the city and counties arises from a tax of 10½ cents on every $100 of assessable property throughout the State. By the acts of the General Assembly, 1872 and 1878, this fund is paid to the State for the support of those schools, and is afterwards distributed by the State Treasurer between the counties of the State and Baltimore city in proportion to the school population between the ages of five and twenty years.

The receipts from the City Collector arises from the annual tax levied on all property in Baltimore city, the amount of tax during the past year being 32 cents on every $100 of taxable property.

During the fiscal year of 1894 the amount of school tax paid by the city to the State was	$295,161 75
and amount received by the city from the State was	214,726 14
Excess paid to the State by the city	$80,435 61

Though this excess is much less than has been paid by the city during previous years, yet it shows that

great irregularity in the distribution of this school tax continues, and it will probably always be so unless a different and more equitable mode be authorized by the General Assembly.

EXPENDITURES.

The total amount paid by the Board for current expenses of the schools was $1,110,316.02, and by the Inspector of Buildings for new houses and the repairs of old buildings was $96,913.15. Of the amount expended by the Board $973,135.59 was for white schools and $137,180.43 for colored schools, as follows:

Salaries in the first twenty wards		$784,788 90
Rents of houses		5,353 75
Heating apparatus and repairs		9,441 77
Books and stationery		51,803 98
Furniture		15,756 12
Fuel		29,804 30
Repairs and cleaning		13,577 50
Printing, supplies, incidentals, etc		12,081 24
Polytechnic Institute		30,896 46
Colored Manual Training School		8,782 83
Night Schools		11,538 40
Annex Schools, for salaries	$110,682 45	
Same, for all other expenses	25,808 32	
		136,490 77
		$1,110,316 02

The amounts expended by the Inspector of Buildings were as follows:

In the First Twenty Wards.

Western Female High School, new		$35,226 34	
English-German School No. 6, new		3,541 48	
Sanitary and other improvements		6,500 00	
General repairs of old houses		15,000 00	
Addition to Colored Manual Training School		600 00	
		$60,867 82	
In the 21st and 22d Wards.			
Annex School No. 15, at Walbrook	$23,971 99		
Annex School No. 9	2,889 34		
Smead System in No. 9 and No. 15	4,934 00		
General repairs of old houses	4,250 00		
		36,045 33	
			96,913 15
Total amount expended by the Board and the Inspector of Buildings			$1,207,229 17

The amount appropriated to the Inspector of Buildings for the use of the department of public schools has been judiciously expended by him in the erection of new houses, and the improvement of old build-

ings, which annually require repairs. His report shows that during the past year several new school houses have been commenced, and one or more completed; several old houses have been enlarged, a number of them have been painted, new ceilings and floors have been placed in several houses, and many of them have been repaired and rendered more comfortable and convenient for teachers and pupils. The Inspector of Buildings is entitled to our thanks for his successful efforts to improve the school buildings, and we recommend that a liberal appropriation be made for his use in connection with this department.

ESTIMATE FOR 1895.

The estimate for current expenses of the schools for 1895 is $1,210,590, of which $160,700 is for Annex Schools, as follows:

Salaries of officers and teachers		$825,000 00
Rent of houses		10,000 00
Books and stationery		54,000 00
Heating apparatus and repairs		12,000 00
Furniture		30,000 00
Fuel		33,000 00
Repairs and cleaning		14,000 00
Printing, supplies and incidentals		15,000 00
Night Schools		15,000 00
Polytechnic Institute		33,490 00
Colored Manual Training School		8,400 00
Total amount for first twenty wards		$1,049,890 00
Annex Schools, salaries	$128,500 00	
All other expenses	32,200 00	
		160,700 00
Total amount		$1,210,590 00

This estimate is about $100,000 more than the amount expended last year, and has been made after a careful consideration of the increasing wants of the schools during this year. The accompanying report of the Committee on Accounts shows in detail the necessity for this increase, and it is hoped that the full amount of the estimate will be appropriated. During several previous years it was deemed proper by the Committee on Ways and Means to recommend a reduction in our estimates, but in every instance where it was done, the City Council found it necessary afterwards to make an additional appropriation to enable the Board to keep the schools in operation until the close of the year. The same causes which have heretofore existed for the annual increase of appropriations for the current expenses of our schools will apply with equal force at this time. The certain increase in the number of pupils and teachers during this year will necessarily involve additional expenses for salaries, and books, and furniture, and other school appliances, and the appropriation should be proportionately increased. It would be a serious mistake and prejudicial to the schools to attempt to conduct successfully our system of public education on parsimonious principles. Public sentiment does not demand this kind of municipal economy. The true policy is to make liberal appropriations for the support of our schools, and to hold the Board to strict responsibility for the proper expenditure of the

amount. And in this relation it is proper to say that the most rigid economy is exercised in the management of our schools, and this department cannot be justly charged with extravagance or improvidence, in view of the fact that its school houses are less expensive, its teachers' salaries are lower, the per capita cost of pupils, and the total annual expenses less than in any other large cities.

SCHOOL HOUSES.

There are 122 buildings occupied by the schools, of which 93 are owned by the city and 29 are rented. In addition to the above mentioned rented buildings used by the schools, there are two others, one of which is used for the public school library and the other for storage of furniture. The amount paid for all the rented buildings during the year was $8,918.59. There are about 4,500 children in these rented buildings, because there is no room for them in the school houses belonging to the city. This is an unfortunate condition for the teachers and pupils who are thus compelled to do their work under such disadvantages, and should not be allowed to continue. The Board regrets the necessity for using any rented buildings, as they are generally old dwellings or halls, and unfit for school use, and detrimental to the health of those who occupy them. Of course, it is impossible for these schools to perform their work as satisfactorily as those which have bet-

ter facilities in regular school houses. The proper remedy for this evil is the erection of more school houses until the existing want is supplied. It is true that the Board might ascertain the seating capacity of the present school houses with due reference to the health of the pupils, and when their seats were all occupied, the rule might be adopted, which exists in some other cities, that no more pupils should be admitted, and no halls or dwellings should be rented for the use of our schools. This plan would necessarily exclude several thousand children from the public schools, and would probably create ill-feeling among parents of those children, and cause severe criticism of the city authorities for supposed neglect to provide the necessary school houses. The Board has desired to avoid this criticism, and therefore has continued the temporary use of rented buildings, with the hope that this statement of the condition of some of the schools will enable the city authorities to fully appreciate the reason for asking for additional appropriations for more school houses and induce prompt action for the relief of these schools. It is hoped that larger appropriations will hereafter be made, so that the new houses will be of sufficient size to accommodate not only the present number of pupils, but the annual increase, and thus avoid the necessity for enlarging new houses at greatly increased cost.

SCHOOL-HOUSE BONDS.

Several years ago, at the suggestion of the Board of Commissioners, an ordinance was passed by the Mayor and City Council authorizing the issuing of $500,000 public school bonds, to be applied exclusively to the erection of new school houses. Application was made to the General Assembly of the State for its approval and authorization of this ordinance, but, for some unexplained reason, the Senate did not give its assent, though the House of Delegates had done so; and the bonds were therefore never issued. In view of the urgent necessity for several new houses at this time, it would be desirable again to ask for the authority to issue bonds for this purpose, which would relieve the city of annual taxation for new houses and would distribute the burden of their cost among those who will enjoy the benefit of them in the future. This amount would be sufficient to erect ten new houses, which would supply the schools with the necessary accommodations for several years, and relieve the city of the annual taxation for this purpose.

During the past year two school houses have been completed and accepted; the one for Annex School No. 15, at Walbrook, and the other for Annex School No. 9, at Calverton; and contracts have been made for several other houses, which will probably be erected during this year.

Western Female High School.—The plan for the new house for Western Female High School was accepted, and the contract awarded to Henry S. Ripple for its erection at the corner of Lafayette avenue and McCulloh street, at the cost of $105,149, and it will be completed during the year and occupied by the school at the opening in September. The interior was planned under the direction of the principal of the school, and will be commodious and well lighted and ventilated; but the lot is nearly covered by the building, and there is very little yard for use of the pupils. It was not possible to obtain any more ground from the owner at the time this lot was purchased, as he was then occupying the property; but he is since deceased, and it would be very desirable now to secure the adjoining ground by purchase or lease from the present owners, who are willing to dispose of it to the city. It is very important, for sanitary reasons, to obtain this property for the use of this school, and thus to prevent the erection of buildings which will interfere very much with the light, ventilation and general comfort of the school.

Baltimore City College.—The architects, Messrs. Baldwin & Pennington, have submitted a plan for the new building on Howard street for the use of the Baltimore City College, which has been approved by the Building Committee; but it is doubtful whether it can be erected for the amount appropriated for the

purpose. The principal of the college furnished full information to the architects with reference to its interior arrangement, so that it might contain the required number of class rooms, and it would be very undesirable to reduce the size of the building, because of the present and future wants of the school. The number of students on roll at the close of the year 1894 was 636, being really 100 more than during the previous year; and the annual increase in the number will doubtless be much greater in the future, and therefore ample accommodations should be prepared in advance for them. It is hoped that such additional appropriation will be made as may be necessary to erect the new building according to the proposed plan.

English-German School No. 6.—A desirable lot at the corner of Ramsay and Smallwood streets was purchased, and a plan prepared for a new house for this school, containing twenty class rooms. As this house is intended for the use of English German Annex School No. 12, now occupying rented buildings on Lombard street near Garrison lane, with 19 teachers and 800 pupils, it was deemed necessary to erect a house sufficiently large to accommodate the whole school, and so dispense with the rented buildings. The appropriation was, however, not sufficient, and the plan was reduced to sixteen class rooms, and the contract awarded James B. Yeatman, the lowest bidder.

We respectfully ask an additional appropriation of $8,000, or so much as may be necessary, for four additional rooms, so that the house may have twenty rooms, as originally intended.

Eastern Female High School.—We renew our application made last year for an appropriation for the construction of several additional class rooms for this school. In his annual report, the principal calls our attention to the crowded condition of the building and the lack of class rooms, and again asks for additional accommodations. The request is reasonable and should be granted at once. There are more teachers and classes than there are class rooms, and several are therefore without separate class-rooms, and are necessarily performing their work under disadvantages. An appropriation of $15,000 would be sufficient to furnish the desired accommodations.

Grammar and Primary Schools No. 9.—These schools continue to occupy rented buildings on Calvert street and Courtland street, because no appropriation has been made for a new school house. Authority has been granted to lease a suitable lot in that part of the city, and a selection will be made as soon as an appropriation is made for the erection of a house. There is a large school population in that neighborhood, in addition to those now attending these schools, who would attend if proper accommodations were furnished

by the erection of a new school house, but who are unwilling to be confined in these rented houses, because they believe them to be detrimental to their health. Residents of that section are entitled to a comfortable school house for the education of their children, and it is hoped that a liberal appropriation will be made at once for this purpose.

Primary Schools No. 34, *No.* 36, *No.* 37.—These schools are occupying six rented dwellings, two being in the eastern section and one in the western section, and are uncomfortably crowded and doing their work under great difficulties; and we recommend that appropriations be made for the purchase of suitable lots and the erection of new houses for these schools. The parents of these children are very urgent in their demand for proper school accommodations, and their request should be granted.

Colored School No. 9.—A liberal appropriation should be made for the erection of a new house in the northwestern part of the city for those schools which now occupy a house at the corner of Carrollton and Riggs avenues. Authority has been given to lease a larger lot in the neighborhood where a large majority of the pupils reside, and when the appropriation is made for the house the committee will at once proceed to act in the matter. When the new house is erected the present house will be renovated

and used for a white primary school. This proposed change of location of Colored School No. 9, and the subsequent use of the building for a white primary school, are made at the request of a large number of residents of the neighborhood, who will send their children to this school. This school now has over 1,200 pupils and 24 colored teachers, and the present house is most uncomfortably crowded, and it is very necessary to erect another house, which will relieve it, and furnish proper and comfortable accommodations.

Colored School No. 10.—An additional appropriation of $5,000 is needed to erect a suitable house for this school, which is now occupying two rented buildings. A portion of the original appropriation for this school was used in the erection of another house, and hence the balance now applicable to this building is insufficient. A lot at the corner of Girard avenue and Sherman Place has been purchased, and as soon as an additional appropriation is made the new building will be commenced.

Annex School No. 1.—This school is situated at the corner of Gorsuch avenue and Tyler street, Homestead, and is now in need of more accommodations. A number of the pupils occupy a rented dwelling and the teachers are working under disadvantages. A moderate appropriation of from $5,000 to $8,000 would enable the Board to furnish the desired accommodations.

New School in North Baltimore, near Druid Hill Park.—In response to the urgent requests of the residents of this section of the city, the Board has authorized the opening of a new school in the vicinity of North avenue and Park avenue. Several hundred new dwellings have been recently erected in that neighborhood, most of which are occupied by persons who send their children to the public schools. Many of these pupils attend Grammar School No. 19, on Park avenue and Hoffman street, and Grammar School No. 6, on Division street, and the result is that both schools are overcrowded and a portion of the pupils occupy rented houses. A new school house in this neighborhood will relieve these two schools and furnish the desired school accommodations for the children of that growing section of the city; and the Board, therefore, asks for an appropriation to purchase or lease a suitable lot and erect a building for this new school.

A New School in Northeast Baltimore.—The Committee on Grammar School No. 20, at the corner of Eden and Federal streets, report that there are about 1,200 pupils, under the charge of 29 teachers, and that the present building is overcrowded, and relief should be given by the erection of a new school building in that section of the city. The citizens of that section have also united in representing the urgent necessity for the opening of another grammar school and the

erection of a school house. The Board has authorized the opening of a new school, which must necessarily occupy a rented building until a new school house is erected, and we therefore ask for an appropriation for this purpose.

TRAINING SCHOOL FOR TEACHERS.

In previous reports we have called your attention to the necessity of training schools for teachers as a part of every public school system, and have asked your permission to establish a school for that purpose in our city. We did not deem it necessary to present an elaborate argument to prove the necessity which exists for such a school as a part of our system, because we supposed that you would feel that there was the same necessity here as in other States and cities where they have been established for the benefit of the public schools. It is not a censorious reflection on our teachers to say that, though they do their school work well, yet many of them would do it better if they had been previously trained in a school of pedagogy where they could have received proper instruction in the art of teaching. It is a proposition so apparent that it is not necessary to argue the matter. In every department of business it is a recognized fact that preliminary training is necessary for success. It is especially so in the profession of teaching, for though the teacher may possess the necessary scholastic knowledge, yet if he does not know how to impart it

to others he cannot be successful. It is a most important question for those in charge of public schools to consider how to prepare teachers for their professional work, and in the consideration of this matter it is their duty to apply such methods as have been successfully tried in other schools. Upon this subject it is conceded by all school authorities that for the purpose of securing the best results it is absolutely necessary to establish a system for the professional training of teachers. It is not a sufficient answer to the demand for a training school to say that the school system is doing well and producing satisfactory results. That may be so now, but there will be dissatisfaction in the future when it is discovered that other systems are doing better because they have better trained teachers. It is our earnest desire to have our public schools rank with the best in the country, and for the purpose of maintaining this position it will be necessary to have well-trained, cultured teachers, who possess not only the intellectual qualifications for teaching, but also have obtained a thorough knowledge of the best methods of instruction in a suitable school of pedagogy as a part of our school system.

This important subject has again been considered by the Board, and another application will be made to you for authority to establish a training school, and it is hoped that it will receive your favorable consideration.

COOKING SCHOOLS.

The cooking school in the southern section of the city, for the use of the pupils of the public schools, established last year, and supported by a committee of ladies interested in our schools, was a decided success, and a large number of our pupils received valuable practical instruction in the art of cooking. At the close of the school term the work of the pupils was inspected by a number of citizens, including members of the City Council, School Commissioners and others, and they agreed that the school was accomplishing good results and should be commended and continued. The same committee of ladies again opened the school at the commencement of the present school term and have personally defrayed all the expenses. The object of those public-spirited ladies is to illustrate the practical value and great use of this kind of instruction to the girls of public and private schools, with the hope that the city may be induced to authorize the Board to establish several schools in other sections of our city in connection with our public school system. As the city has authorized instruction in all branches of manual training for boys, and in sewing for girls, it is now deemed proper to enlarge the sphere for girls by furnishing them instruction in cooking. Whilst it probably was not the intention of the founders of our public school system that instruction in these branches of industrial education

should be given to the pupils of our schools, yet now public sentiment has everywhere demanded them, and they generally constitute a part of the curriculum of all public schools. The Board has carefully considered this subject, and believing it to be of great educational value to the girls of our schools, will ask authority to establish several schools for instruction in cooking.

PUBLIC SCHOOL LIBRARY.

This library, established in 1875, has been of great benefit to the teachers and pupils of our schools. It now contains about 8,000 volumes, embracing every department of literature, and has been specially useful to those desiring information on educational subjects. The report of the librarian shows that the number of readers continues to increase every year, and it is gratifying to learn that there is a greater demand for the highest grade of books in the library. Our teachers and pupils need books for educational and general reading, and many of them are not able to purchase them, and we should therefore liberally sustain this library in connection with our schools, which will supply our wants. The librarian continues to satisfactorily perform the duties of his office under the existing disadvantages of a very limited space, in rented rooms, for the increasing number of books, but he is very hopeful that much more commodious apartments will be provided for the library

in the new building for Baltimore City College. The Board annually appropriates $500 for the purchase of new books, but hopes that when the library is removed to the new building it may be able to annually apply a larger sum for this useful educational help. We commend the library to all teachers and pupils, and hope they will continue to appreciate its value.

SCHOOL CRITICISM.

There probably never has been a period in the history of public education when those in charge of public schools have been so generally criticised as at the present time. It seems to be universal throughout the country, and the ubiquitous critics find fault both with the modes of the appointment of those who are in charge and also with their official management of the schools. Most of those criticisms are the flippant utterances of persons who are ignorant of school work, and who are incompetent to judge the subject of which they undertake to give advice. Although these critics are both arrogant and ignorant, yet they sometimes succeed in creating an unjust prejudice against the schools and impede their progress and success. Vague and untrue accusations are often made which do serious injury, and though subsequent investigation disproves the charges, yet it does not always repair the wrong. Our schools and their management have not escaped this style of criticism. Whilst we know that a large majority of

our community are the true friends of our schools and appreciate their valuable work, yet there are some chronic fault-finders who think they could improve our system by changing the mode of appointing Commissioners and altering their methods of school management. They charge that the Commissioners are appointed and controlled by political influence, and that the alleged evils result from this cause. If this charge were true, there certainly would be cause for complaint, and the public would have the right to be indignant that this important trust has been so grossly misused. But the records of the schools and the satisfactory results of their management show that these charges against the department of education of our city are in many respects unjust and untrue. No political or sectarian qualifications are required to obtain the office of teacher, and we are fully justified in repelling all such unjust accusations. Frequent demands have been made of these accusers for their proof, but they have always been refused, and no one can be found to assume the responsibility of sustaining these charges. It can hardly be expected that those in charge of our public schools, who are thus unjustly attacked, will quietly submit to the wrong and remain always on the defensive. Public opinion will justify us in denouncing as demagogues those persons who thus persistently make these charges without any evidence to sustain them. Those in charge of our public schools are invested

with large powers, and control the most important interest in the community, and they should be men of intelligence, probity and fitness for the office, and should not be appointed from political or sectarian considerations. It is their duty to remove existing errors from our system of instruction as rapidly as circumstances will permit, and for this purpose they should solicit the advice and assistance of all friends of public education. It is a mistake to suppose that those in charge of systems of public instruction are opposed to fair criticism of their management and the results. On the contrary, we have invited an intelligent and impartial examination of our present methods for the purpose of obtaining the advice of our citizens. Intelligent educators know that no system of schools is perfect, and no management is faultless. It may be possible that in our schools, as elsewhere, the best modes of instruction may not always be adopted, nor the best teachers appointed, nor the best results obtained, but we labor from year to year with the hope of removing existing evils and improving our system. Judicious criticism is always appreciated by those seeking to advance the cause of public education, and we therefore cordially solicit the opinion of our citizens with reference to our public schools and their present management.

We have no suggestions to make with reference to the present mode of our appointment. It is the plan originally recommended by the founders of our school

system, and though other methods have been suggested, the city has never been willing to make any change. If, however, our city authorities should deem it proper to again consider this subject and adopt either of the several plans which have been proposed, our Board will cheerfully acquiesce in whatever is thought best for the interest and success of our schools, and will cordially aid our successors in their great work.

Whilst it is our sad duty again to record the deaths of several teachers, we are pleased to note that the number is much less than during several preceding years.

We recall the conscientious devotion to duty of those who have passed away, and commend their lives and work for the imitation of those who survive.

HELEN M. FRY,

Assistant, Male Primary School No. 13, died July 4, 1894.

FRANCES A. ATKINSON,

Assistant, Male Primary School No. 20, died July 16, 1894.

EMMA L. POUDER,

Assistant, Colored Grammar School No. 2, died November 11, 1894.

MARTINA HANLON,

Assistant, Female Colored School No. 8, died December 12, 1894.

We have thus briefly reported the work of our schools during the past year, and now commend them to your care and consideration. Whilst all may not have been accomplished that was desired, yet it is gratifying to know that they have not retrograded, but that some improvement has been made in every department. The prosperity and growth of our schools in the future will depend largely upon those who may be appointed to control this important interest. They are now free from political and sectarian influence, and no person should be appointed to assist in their future management who would pervert his office to partisan purposes or personal benefit.

Frequent reference is made by our critics to the report of a commission in 1880, of which Chief Justice Brown was the chairman, in which some recommendations were made for a change in our system. In closing its report, that commission paid a high tribute to the efficiency of our teachers and the success of the schools, and said that "the investigations of the commission have satisfied it that the history and present condition of the schools in this city should be a source of pride and congratulation to its citizens. Our school system is the creation of the last fifty years. During that time it has expanded from nothing to its present great proportions. In the course of these fifty years the school system has not grown in size only. Its whole history shows a constant im-

provement in organization and administration, in the methods of selecting teachers, in the teaching, and in the education given to the young. Indeed, we are confident that there are general influences at work which will continue to improve the schools in the future as in the past, even if no radical changes are made. We believe the public schools have done a great work and will do a greater."

JOHN T. MORRIS,

President.

ANNUAL REPORT

— OF THE —

Committee on Accounts.

BALTIMORE, December 31, 1894.

To the Board:

The rules of the Board require that your Committee on Accounts shall examine all bills against the Commissioners of Public Schools and report to the Board upon their correctness.

Having performed that duty, your committee respectfully reports that it has examined and audited bills during the year amounting to $180,684.42. This amount, together with $929,631.60, the amount of the pay rolls, which, as required by city ordinance, are signed by the President and Secretary, gives $1,110,316.02 as the total amount of the current expenditures of the Board for the year.

The rules also make it a duty of this committee to examine the accounts of the Secretary, and compare them with the vouchers at the end of each fiscal year. This duty your committee has performed, and has found said accounts correct. We find that he has received from non-resident pupils $3,557.45, and that he

has paid over that amount to the City Register as proven by the receipts of that officer.

While there is no rule making it the duty of this committee to estimate the amounts that will be required for expenditure by the Board for the coming year, yet custom seems to have imposed that duty upon us, and we therefore submit the following:

ESTIMATES FOR 1895.

For all schools in the first twenty wards	$1,049,890 00
For the schools in the Twenty-first and Twenty-second Wards	160,700 00
Total	$1,210,590 00

The above estimate, itemized to show the amounts which will be required by the several items for which the expenditures will be incurred, is as follows:

For salaries		$825,000 00
For rents		10,000 00
For books and stationery		54,000 00
For heating apparatus and its repairs		12,000 00
For furniture		30,000 00
For fuel		33,000 00
For repairs and cleaning		14,000 00
For incidentals, printing, supplies, etc.		15,000 00
For Polytechnic Institute		33,490 00
For Colored Manual Training School		8,400 00
For night schools		15,000 00
		$1,049,890 00
For salaries in Annex schools	$128,500 00	
For sundries in Annex schools	32,200 00	
		160,700 00
		$1,210,590 00

We deem it proper to add, by way of explanation, some reasons for fixing the several amounts as given above. When the correctness of the estimates depends upon so many varying circumstances, which may or may not arise, it is impossible to determine with accuracy the exact amount which will be required for any one item. We have endeavored, however, to give due consideration to the circumstances which may affect the expenditure, and to fix the amounts as near as possible to the actual requirements.

The amounts appropriated by the Mayor and City Council, and expended by the Board in 1894, as will be shown by the following statement of the Secretary, will furnish all the evidence needed to prove that if the circumstances which are expected to increase the expenditure do not arise, then the amount intended to provide for such increase will remain in the city treasury, and that this Board does not expend an appropriation simply because it has been made.

We trust the Mayor and City Council in 1895 may be actuated by the same liberal spirit which caused that body in 1894 to appropriate the entire amount estimated by us.

SALARIES.

In fixing the amount of our estimate for salaries we have examined carefully the usual percentage of increase in years past together with the circumstances which will probably add to the natural increase in the coming year; such as the probable change of location of one or two schools from the Annex into the old limits, and after such careful examination we have fixed the amount of our estimate for salaries at $825,000.

RENTS.

The rent list in the first twenty wards now aggregates $8,719, with no prospect of being relieved of more than $300 of that amount during the coming year, and with the prospect of being compelled to rent some three or four more houses should the increase in pupils equal or come near to the increase of the past year. We have fixed the amount at $10,000.

BOOKS AND STATIONERY.

The estimate for this item for 1894 was $52,000, and the amount expended was $51,803.98, and yet parents complain that their children have not the books needed, and teachers complain that their apportionment is not sufficient to enable them to supply the books as needed. We have fixed the estimate for this item at $54,000.

HEATING APPARATUS.

This item includes not only new furnaces and stoves, but all *repairs* of heating apparatus. No other item varies in the amount required so much as this, owing to the fact that the heating apparatus in some new buildings is furnished by the Inspector of Buildings, while others are furnished by the Board. For example, the amount expended on account of this item in 1893 was $27,830, while in 1894 it was only $9,441.

We know of nothing which should increase the expenditure for the coming year beyond our estimate, which is $12,000.

FURNITURE.

The amount expended on this account during the past year was $15,756, but in the coming year there will be

three or four new buildings to be furnished beside the new building for the Western Female High School, and in view of these facts we cannot venture an estimate of less than $30,000.

FUEL.

We estimate for this item the same amount that was estimated for it the past year, believing that the balance left unexpended will be sufficient to supply the additional schools. Our estimate is $33,000.

REPAIRS AND CLEANING, AND INCIDENTALS.

Our estimate for repairs and cleaning, $14,000, and incidentals, $15,000, are the same as last year, and for the same reason as that given under the item of fuel.

The estimates for the *Polytechnic Institute* and the *Colored Manual Training School* are made by the principals and approved by their committee.

NIGHT SCHOOLS.

The amount expended for account of night schools, not including the one in the Annex, was $11,538.40. One of them was not opened until near the close of the year, and an additional one has been authorized for the coming year. Our estimate for the night schools is $15,000.

ANNEX SCHOOLS.

In view of the probable change of grade of some of these schools, and the probable opening of one or two additional schools, we have fixed the amount for salaries at $128,500, and for all other items at $32,200.

This report is made after a careful examination of all the possibilities which may arise, so far as we have been able to foresee them, and we trust it will receive due consideration from those to whom we look for a liberal appropriation.

JAMES L. MURRILL,
CHARLES J. WIENER,
GEORGE F. LOUDERMAN,
W. H. B. FUSSELBAUGH OF J.,
JOSEPH P. McGONIGLE,
Committee.

SECRETARY'S STATEMENT

OF

ESTIMATES, EXPENDITURES, ETC., ON ACCOUNT OF PUBLIC SCHOOLS IN 1894.

The estimates made by the Board for the current expenditures for school purposes for the year 1894 were as follows:

For salaries, not including the Polytechnic Institute, nor the Colored Manual Training School, nor Night Schools in first twenty wards.....	$800,500 00
For items other than salaries in first twenty wards.....	161,700 00
For Polytechnic Institute.....	30,910 00
" the Colored Manual Training School..	9,405 00
" Night Schools.....	10,000 00
" salaries in the Annex Schools.....	110,000 00
" other items in the Annex Schools....	28,300 00
Total.....	$1,150,815 00

In making the appropriation, the Mayor and City Council did what they had never done before, namely: Appropriated the entire amount asked for in the estimate; and this Board has shown its appreciation of the compliment by returning an unprecedented balance.

Appropriations and expenditures on account of each of the items before mentioned:

Salaries—First Twenty Wards:

Appropriated	$800,500 00
Expended	784,788 90
Unexpended	$15,711 10

Other than Salaries—First Twenty Wards:

Appropriated	$161,700 00
Expended	137,818 66
Unexpended	$23,881 34

Baltimore Polytechnic Institute:

Appropriated	$30,910 00
Expended	30,896 46
Unexpended	$13 54

Colored Manual Training School:

Appropriated	$9,405 00
Expended	8,782 83
Unexpended	$622 17

Night Schools—First Twenty Wards:

Appropriated	$10,000 00
Expended	11,538 40
Overdrawn	$1,538 40

Annex Schools—Salaries:

Appropriated	$110,000 00
Expended	110,682 45
Overdrawn	$682 45

Annex Schools—Other than Salaries:

Appropriated	$28,300 00
Expended	25,918 32
Unexpended	$2,381 68

Total in First Twenty Wards:

Total appropriations	$1,012,515 00
Total expenditures	973,825 25
Unexpended	$38,689 75

Total in Annex Schools:

Total appropriation	$138,300 00
Total expenditures	136,490 77
Unexpended	$1,809 23

Total for all the Schools:

Amount appropriated	$1,150,815 00
Amount expended	1,110,316 02
Unexpended	$40,498 98

EXPENDITURES ITEMIZED.

The term "General Account" in the following table includes all the schools in the first twenty wards not otherwise specially mentioned.

Items.		White Schools.	Colored Schools.	Totals.
Salaries	Gen. Acc.	$682,224 00	$102,564 90	$784,788 90
Rents	"	4,284 00	1,069 75	5,353 75
Books and Stationery	"	46,040 11	5,763 87	51,803 98
Heating Apparatus	"	8,452 82	988 95	9,441 77
Furniture	"	13,452 87	2,303 25	15,756 12
Fuel	"	25,915 21	3,889 09	29,804 30
Repairs and Cleaning	"	12,525 71	1,051 79	13,577 50
Incidentals, Printing, etc.	"	11,527 94	553 30	12,081 24
Polytechnic Institute		30,896 46		30,896 46
Colored Manual Training School			8,782 83	8,782 83
Annex Schools—salaries		103,594 35	7,088 10	110,682 45
" " other items		24,176 36	1,631 96	25,808 32
Night Schools		10,045 76	1,492 64	11,538 40
		$973,135 59	$137,180 43	$1,110,316 02

EXPENDED BY THE INSPECTOR OF BUILDINGS ON ACCOUNT OF NEW BUILDINGS AND IMPROVEMENTS, AND REPAIRS OF OLD BUILDINGS.

In the First Twenty Wards:

Addition to Colored Manual Training School	$ 600 00
On account of English-German No. 6, new.	3,541 48
Western Female High School, new	35,226 34
Sanitary and other improvements	6,500 00
General repairs	15,000 00
Total	60,867 82

In the Twenty-first and Twenty-second Wards:

On acct. of Annex No. 9, new	$2,889 34	
For Smead System, Nos. 9, 15	4,934 00	
On acct. of Annex No. 15, new	23,971 99	
For general repairs	4,250 00	
		$36,045 33
Total by Inspector		$96,913 15

TOTAL EXPENDITURES FOR SCHOOL PURPOSES.

Expended by the Board	$1,110,316 02
Expended by Inspector of Buildings	96,913 15
Total	$1,207,229 17

RECEIPTS FOR THE CURRENT EXPENSES OF THE BOARD.

From the City Collector, taxes	$914,086 04
From the State Treasurer, taxes	214,726 14
From non-resident pupils	3,557 45
From John F. Plummer	114 50
	$1,132,484 13

NON-RESIDENT PUPILS.

The number of non-resident pupils now in the schools is 164. The total number in the schools during some portion of the year, 234, being 18 more than in 1893.

The amount received from non-residents was:

From Polytechnic Institute	$913 00	
" Baltimore City College	812 50	
" Female High Schools	232 00	
" Male Grammar Schools	555 50	
" Female Grammar Schools	494 25	
" Male Primary Schools	100 00	
" Female Primary Schools	66 00	
" English-German Schools	32 00	
" Colored Schools	2 00	
" Annex Schools	350 20	
		$3,557 45

The fees for non-residents are as follows:

In Baltimore City College	$50	per annum,	(payable quarterly.)
" Polytechnic Institute	50	"	"
" Female High Schools	32	"	"
" all grammar grades	16	"	"
" all primary grades	12	"	"

The fees are payable in advance. Quarters commence: First quarter, September 1; second quarter, November 21; third quarter, February 11; fourth quarter, April 26.

The average salary of teachers in 1894 was $564.

PER CAPITA COST.

The cost per pupil, including all the day schools under the control of this Board, based

1st. On the enrollment and the expenditure for books.

2d. On the enrollment and the total current expenses including books, was as follows:

	For Books.	For Current Expenses.
In Baltimore City College	$3 26	$59 40
" Female High Schools	2 28	31 72
" Male Grammar Schools	1 57	21 11
" Female Grammar Schools	1 40	17 15
" English-German Schools	1 03	16 01
" Male Primary Schools	65	15 28
" Female Primary Schools	57	14 75
" Polytechnic Institute	2 22	56 82
" Colored Manual Training	2 63	89 62
" Colored High and Grammar Schools	1 85	20 35
" Colored Primary Schools	55	14 16
" Annex Schools	1 02	18 39
Average for all	1 02	18 37

STATE TAX.

Amount of school tax paid by the city to the State	$295,161 75
Amount of school tax received by the city from the State	214,726 14
Excess to the State	$80,435 61

SCHOOL BUILDINGS.

Number of school buildings owned by the city	93
Number rented for school purposes	31
Total number used for school purposes	124

The following tables exhibit the monthly expenditure; the itemized expenditure for each school; the location of each building; size of lot and of building, etc. The schedule of salaries is also reported, as usual.

HENRY M. COWLES,

Secretary.

TABLE A.

Showing the Amounts Expended each Month of the Year 1894.

Months.	Salaries.	Rents.	Books and Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printing, etc.	Night Schools.	Polytechnic Institute.	Colored Manual Training.	Annex Schools.	Totals
January....	64,922 10	556 00	.....	305 50	372 65	.....	796 23	667 97	1,673 99	1,790 47	416 25	9,837 36	81,338
February..	64,905 50	454 00	8,876 65	633 33	494 80	916 79	743 27	450 46	1,768 52	2,112 90	731 38	11,538 44	93,626
March.....	64,817 25	250 00	2,778 41	484 82	1,874 22	696 50	1,024 41	878 48	1,394 47	2,483 21	696 47	11,299 99	88,678
April..	65,098 45	616 00	1,179 14	62 89	563 91	2,218 93	449 35	630 94	1,249 15	2,410 81	646 99	10,475 68	85,602
May..... .	64,521 75	454 00	1,084 21	4 85	237 78	1,020 72	66 57	2,025 35	.....	2,545 70	682 28	9,751 08	82,394
June.....	128,440 80	225 00	497 05	5 00	456 24	.....	416 91	842 38	.....	3,599 69	1,013 57	17,737 48	153,234
July.....	.....	566 00	125 55	1,241 01	133 51	33 00	4,483 95	853 48	.....	2,468 53	1,031 16	1,782 79	12,718
August	63,687 50	404 00	.....	2,374 34	4,659 65	22,200 40	3,180 28	976 29	50 12	1,508 38	775 25	14,943 67	114,759
September.	64,970 50	200 00	9,882 36	826 97	1,469 85	1,800 58	676 67	333 64	.....	1,667 04	365 00	12,567 61	94,760
October....	67,566 90	591 00	23,907 64	1,642 29	1,827 77	155 94	329 64	1,465 07	1,613 43	3,536 50	783 35	14,535 16	117,954
November.	67,740 00	574 00	2,671 30	885 79	1,336 47	123 98	119 47	452 23	2,099 01	2,984 35	775 81	11,460 63	91,223
December.	68,118 15	463 75	801 67	974 98	2,329 27	637 46	1,290 75	2,504 95	1,689 71	2,788 88	865 32	10,560 88	94,025
Totals...	784,788 90	5,353 75	51,803 98	9,441 77	15,756 12	29,804 30	13,577 50	12,081 24	11,538 40	30,896 46	8,782 83	136,490 77	1,110,316

TABLE B.

Showing the Itemized Expenditures for Each School.

Schools.	Salaries.	Rents.	Books and Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printing, etc.	Totals.
General Expense (city)	$27,378 35	$300 00	$1 97	$ 7 10	$ 45 50	.....	$1,104 72	$5,849 67	$34,687 31
Public School Library	900 00	75 00	714 18	16 35	.....	$ 38 62	.....	64 62	1,808 77
Baltimore City College	32,935 75	.....	2,074 82	.....	54 95	833 46	177 39	1,711 01	37,787 38
Eastern Female High School	14,067 00	.....	1,138 58	294 41	162 67	473 11	107 55	313 04	16,556 36
Western " "	14,968 00	.....	1,278 26	99 36	9 50	392 74	48 10	211 18	17.007 14
Balto. Polytechnic Institute	18,930 50	.....	1,207 00	203 17	192 86	514 65	644 42	9.203 86	30,896 46
Col'd Manual Training Sch'l	4,876 50	.....	257 86	.....	485 03	175 21	81 20	2,907 03	8,782 83
Male Grammar No. 1	$5,819 25	.....	$501 22	$ 98 00	.....	$217 54	$ 47 97	$ 18 00	$6,701 98
" " 2	7,324 75	.....	719 17	84 03	$ 5 70	246 40	59 65	16 35	8,456 05
" " 3	4,146 00	.....	188 22	49 34	.....	111 50	101 34	4 50	4,600 90
" " 4	4,726 00	.....	469 29	54 07	13 24	93 62	51 45	19 02	5,426 69
" " 5	4,496 50	.....	432 71	50 09	128 15	99 90	86 05	45 55	5,338 95
" " 6	7,453 00	$180 00	655 94	252 00	128 50	363 10	91 84	27 85	9,152 23
" " 7	5,798 70	.....	523 26	84 79	10 00	247 93	151 40	9 00	6,823 08
" " 8	6,563 75	.....	598 66	88 25	99 70	302 08	312 12	11 00	7.975 56
Male Gram. and Prim. No. 9	3,798 25	540 00	159 82	50 45	124 90	247 68	36 15	54 74	5.011 99
Male Grammar No. 10	6,077 25	.....	550 00	84 27	418 91	90 14	211 16	149 05	7,580 78
" " 11	5,267 25	.....	409 76	52 00	31 50	254 00	146 40	3 50	6,164 41
" " 12	5,872 50	.....	543 41	128 24	93 15	273 52	47 45	21 75	6 980 02
" " 13	3 879 00	.....	287 99	47 95	.....	89 00	141 30	13 50	4,458 74
" " 15	8,040 00	.....	780 86	83 67	2 60	265 33	89 15	6 25	9.267 86
" " 16	5,989 25	.....	387 34	88 81	331 75	247 05	39 00	4 00	7,087 20
" " 17	5,043 40	.....	476 76	78 25	75 56	152 55	67 80	6 70	5,901 02

Male Grammar No. 18	4,465 25		558 07	4 30	122 28	501 35	16 12	44 80	5,712 17
" " 19	7,086 00		685 80		60 00	268 56	320 25	10 15	8,430 76
" " 20	7,650 00		754 51	14 00	8 47	382 55	34 85	7 15	8,851 53
" " 21	6,652 50		629 89	29 00	14 10	141 61	164 01	4 75	7,635 86
Male and Fem. Gram. No. 22	4,375 50		360 13	107 75	42 25	356 17	164 38	59 85	5,466 03
Totals, Male Grammar.	$120,524 10	$720 00	$10,672 81	$1,529 26	$1,710 76	$4,949 58	$2,379 84	$537 46	$143,023 81
English-German No. 1	$ 9,405 50		$ 546 56	$121 08	$ 686 20	$ 109 35	$170 17	$ 18 04	$11,056 90
" " 2	15,837 35		1,059 14	208 25	11 40	508 02	199 51	37 52	17,861 19
" " 3	20,081 65	$275 00	1,475 31	313 70	1,170 29	449 29	288 74	31 80	24,085 78
" " 4	18,881 95		1,397 45	104 55	20 50	545 71	55 34	12 46	21,017 96
" " 5	14,790 55		1,393 50	78 81	16 11	651 82	91 07	48 14	17,070 00
Totals, English-German	$78,997 00	$275 00	$5,871 96	$826 39	$1,904 50	$2,264 19	804 83	$147 96	$91,091 83
Female Grammar No. 1	$ 5,280 00		$ 323 07	$ 80 00		$205 04	$181 36	$ 18 48	$ 6,087 95
" " 2	6,130 80		764 33	47 00	$ 77 78	273 78	54 90	14 17	7,362 76
" " 3	3,175 25		253 11	40 00	11 40	121 32	89 20	6 00	3,696 28
" " 4	3,678 00		347 99	49 42		111 77	37 10	11 22	4,235 50
" " 5	4,163 25		409 39	53 91		116 06	76 90	23 48	4,842 99
" " 6	6,636 00	$180 00	760 00	292 20	33 20	356 23	34 17	8 90	8,300 70
" " 7	5,102 50		544 15	137 52	68 00	263 18	47 41	37 57	6,200 33
" " 8	6,342 25		653 93	25 50	140 45	318 49	62 12	3 45	7,546 19
Fem. Gram. and Prim. No. 9	3,169 50	600 00	167 18	47 83	192 10	166 60	52 10	113 22	4,508 53
Female Grammar No. 10	5,553 00		639 65	58 29	204 62	103 30	101 22	139 00	6,798 08
" " 11	5,429 50		569 94	43 37	112 77	269 66	46 50	125 81	6,597 55
" " 12	4,411 50		405 60	134 81	21 53	288 50	69 15	6 87	5,337 96
" " 13	3,783 75		375 05	43 00	52 95	100 82	75 25	7 90	4,438 72
" " 15	8,653 25		799 91	75 85	150 25	310 36	36 00	6 38	10,032 00
" " 16	5,249 05		395 57	86 55	46 04	248 76	49 00	22 35	6,097 32
" " 17	4,183 50		395 02	68 40	10 70	166 76	108 10	29 92	4,962 40
" " 18	4,886 00		563 91		119 10	527 08	15 00	12 64	6,123 73
" " 19	5,679 40		731 02		107 59	300 31	345 77	12 46	7,176 55

Female Grammar No. 20....	$8,040 40	.....	$962 75	$19 00	$131 65	$424 75	$19 10	$23 37	$9,621 02
" " 21....	6,083 00	.....	591 53	30 15	17 70	158 53	84 75	17 62	6,983 28
Totals, Female Grammar.	$105,629 90	$780 00	$10,653 10	$1,332 80	$1,497 83	$4,831 30	$1,585 10	$640 81	$126,950 84
Male Primary No. 1.....	$4,859 25	.....	$204 79	$ 71 48	.....	$192 74	$ 16 65	.....	$5,344 91
" " 2.....	2,877 75	.....	124 79	33 50	$198 45	74 20	26 70	$ 16 15	3,351 54
" " 3.....	4,830 45	.....	213 02	125 00	470 54	171 48	119 95	176 18	6,106 62
" " 4.....	3,652 50	.....	144 71	45 00	.....	166 05	28 97	.....	4,037 23
" " 5.....	6,123 40	.....	317 41	136 00	15 14	209 85	68 36	19 80	6,889 96
" " 6.....	5,077 20	$150 00	231 97	86 92	41 15	198 08	74 25	25 80	5,885 37
" " 7.....	3,219 00	.....	156 41	66 05	337 50	126 15	170 19	27 70	4,103 00
" " 8.....	2,790 20	.....	114 11	41 25	167 02	186 84	64 88	15 45	3,379 75
" " 10.....	3,235 50	.....	139 48	62 05	.....	81 25	126 90	15 00	3,660 18
" " 11.....	7,071 90	.....	332 34	69 70	637 30	213 00	70 30	80 62	8,475 16
" " 12.....	4,620 25	220 00	237 88	101 42	259 08	180 32	89 65	187 80	5,896 40
" " 13.....	2,869 25	.....	109 82	43 05	12 00	276 33	204 95	5 00	3,520 40
" " 14.....	4,311 50	.....	194 96	52 74	78 80	237 52	93 25	5 00	4,973 77
" " 15.....	5,144 90	.....	224 01	56 95	329 99	93 91	158 96	3 50	6,012 22
" " 16.....	3,785 50	.....	148 16	37 12	5 70	168 10	56 15	32 90	4,233 63
" " 17.....	4,154 50	.....	174 91	45 00	.....	109 85	133 09	14 15	4,631 50
" " 18.....	3,189 00	.....	125 03	15 10	85 60	117 00	64 60	3 50	3,599 83
" " 19.....	2,190 70	60 00	120 39	.....	81 68	89 50	320 34	12 50	2,875 11
" " 20.....	9,215 45	.....	508 32	109 00	134 79	347 00	135 65	36 26	10,486 47
" " 21.....	4,111 75	.....	209 97	134 79	239 13	143 98	133 40	65 20	5,038 22
" " 22.....	4,962 75	264 00	228 59	66 25	.....	145 25	104 56	17 50	5,788 90
" " 23.....	4,739 25	.....	234 26	34 00	11 40	152 50	78 24	.....	5,249 65
" " 24.....	6,736 85	.....	320 45	168 55	654 39	544 81	243 38	144 80	8,813 23
" " 25.....	3,829 40	.....	162 34	34 05	.....	62 50	23 30	.....	4,111 59
" " 26.....	3,373 30	.....	123 98	54 90	6 50	106 55	28 85	13 37	3,707 45
" " 27.....	4,388 50	.....	172 02	65 05	15 00	119 60	90 55	25 62	4,876 34
" " 28.....	3,927 30	.....	174 27	35 75	60 00	101 00	83 59	9 10	4,391 01
" " 29.....	2,834 70	.....	117 61	79 60	.....	212 57	113 19	6 40	3,364 07
" " 30.....	7,074 70	.....	347 45	168 76	418 52	249 81	65 90	17 50	8,342 64
" " 31.....	3,308 10	.....	129 62	32 50	1 30	232 85	267 75	11 75	3,983 87

TABLE B—Continued.

Schools.	Salaries.	Rents.	Books and Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printing, etc.	Totals.
Male Primary No. 32.....	$4,329 50	.....	$155 25	$35 00	$38 00	$201 20	$35 15	$20 60	$4,814 66
" " 33.....	5,674 50	.....	259 89	38 70	11 40	227 51	42 70	21 50	6,276 20
Male & Fem. Prim. No. 34*a*.	901 75	75 00	292 98	117 00	425 73	75 00	8 61	85 83	1,981 90
" " " 35*b*.	763 50	75 00	388 93	118 96	343 59	75 00	63 05	140 91	1,968 94
Male Primary No. 36*c*.....	1,834 00	460 00	119 94	17 03	9 00	77 38	10 00	8 25	2,535 60
" " 37*d*	2,440 10	375 00	219 00	159 38	531 22	92 46	45 03	58 88	3,921 07
Totals, Male Primary.....	$148,448 15	$1,679 00	$7,479 02	$2,557 60	$5,619 92	$6,059 14	$3,461 04	$1,324 52	$176,628 39
Female Primary No. 1.....	$4,829 25	.....	$163 92	$ 68 00	$7 50	$192 74	$85 90	$ 3 01	$5,350 32
" " 2.....	3,742 30	.....	191 99	27 00	41 20	81 68	40 55	8 18	4,132 90
" " 3.....	4,183 65	.....	187 33	100 35	166 60	109 00	60 00	13 31	4,820 24
" " 4.....	3,241 50	.....	133 05	45 70	.....	122 83	24 55	1 75	3,569 38
" " 5.....	6,115 85	.....	259 84	84 94	.....	205 23	48 55	4 21	6,718 62
" " 6.....	5,185 00	$150 00	245 06	33 35	.....	181 77	60 31	10 19	5,865 68
" " 7.....	3,219 00	.....	162 56	37 00	346 54	135 87	85 21	15 21	4,001 39
" " 8.....	2,783 00	.....	134 22	37 00	7 50	201 35	67 83	9 89	3,240 79
" " 10.....	3,225 00	.....	128 99	36 50	.....	61 95	185 21	18 39	3,656 04
" " 11.....	6,375 00	.....	309 96	36 00	25 70	225 74	124 28	5 11	7,101 79
" " 12.....	4,916 50	.....	247 33	37 00	164 64	177 18	101 60	26 15	5,670 40
" " 13.....	2,874 50	.....	99 87	4 75	.....	293 83	37 00	195 25	3,505 20
" " 14.....	3,838 50	.....	184 90	50 18	25 30	249 30	58 25	4 24	4,410 67
" " 15.....	5 093 00	.....	248 33	52 00	275 35	105 08	60 82	4 24	5,838 82
" " 16.....	3,371 25	.....	100 19	47 00	11 40	179 32	39 30	8 91	3,757 37
" " 17.....	4,146 95	.....	188 55	44 50	.....	130 47	133 37	7 02	4,650 86
" " 18.....	3,246 75	.....	116 63	14 35	.....	121 04	34 00	9 33	3,542 10

Female Primary No. 19	1,779 75		26 71			89 50	304 50	3 44	2,203 90
" " 20	7,691 70		358 83	108 25	38 50	379 32	99 50	17 32	8,693 42
" " 21	3,832 25		168 62	74 87	35 71	140 69	140 33	14 55	4,407 02
" " 22	4,622 25		224 57	62 39		151 80	139 56	25 97	5,226 54
" " 23	4,646 90		232 72	32 75	5 70	166 76	25 37	5 02	5,115 22
" " 24	6,729 40		303 80	137 30	293 40	560 10	211 65	109 32	8,344 97
" " 25	3,408 00		173 36	36 31		86 14	23 55	4 60	3,731 96
" " 26	3,225 00		95 59	39 80	1 90	114 03	29 50	15 70	3,521 52
" " 27	4,732 50		209 34	45 30		130 22	41 05	2 28	5,160 69
" " 28	3,991 75		179 91	35 00	113 70	109 84	82 95	2 86	4,516 01
" " 29	2,429 25		110 92	66 70		230 25	31 15	4 02	2,872 29
" " 30	6,250 85		304 74	178 25	601 30	243 05	75 00	22 54	7,675 73
" " 31	3,390 00		124 82		1 30	249 25	262 15	2 26	4,029 78
" " 32	3,817 20		159 95		13 00	227 73	25 90	3 64	4,247 42
" " 33	5 201 20		233 40		12 00	232 80	57 16	7 03	5,743 59
" " 36*e*	1,679 50	$180 00	119 98	145 57	259 00	113 57	18 75	117 34	2,633 71
" " 37*f*	561 25	125 00	25 43	71 44		73 64	42 34	25 39	924 49
Totals, Female Primary	$138,375 75	$455 00	$6,155 41	$1,789 55	$2,447 24	$6,073 07	$2,857 14	$727 67	$158,880 83
High and Grammar Colored	$ 9,941 50		$1,349 91	$ 43 90	$ 357 85	$ 276 17	$ 129 55	$140 90	$ 12,239 78
Grammar Colored No. 2	4,226 50		299 86	96 21	267 65	208 33	61 66	27 97	5,188 18
" " 3	4,856 10		425 00	35 25		119 80	42 07	17 09	5,495 31
Male Colored No. 1	3,363 00	$ 193 75	135 60	194 25	174 34	82 50	48 20	163 52	4,355 16
" " 2	3,837 75		225 49	50 54		136 54	33 40	4 80	4,288 52
" " 3	5,769 50		240 67	22 70	6 00	386 13	25 60	41 75	6,492 35
" " 4	5,393 00		160 02	30 51	281 25	97 10	25 00	5 25	5,992 13
" " 5	2,489 50		99 99	22 50		139 59	19 95		2,771 53
" " 6	3,606 20		159 90	32 50	11 80	124 25	92 65	3 50	4,030 80
" " 7	6,136 00		224 97	104 86	253 45	327 00	81 32	48 30	7,175 90
" " 8	4,309 30	276 00	169 99	33 40	88 92	180 75	97 15	14 40	5,169 91
" " 9	6,402 50	600 00	301 05	66 76		188 42	62 51	7 00	7,628 24

a—Organized September 5, 1894; *b*—Organized September 4, 1894; *c*—School divided January 15, 1894; *d*—School divided October 1, 1894. *e*—School divided January 15, 1894; *f*—School divided October 1, 1894.

TABLE B—Continued.

Schools.	Salaries.	Rents.	Books and Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning	Incidentals, Printing, etc.	Totals.
Female Colored No. 1	$4,544 35		$226 64		$15 00	$109 90	$48 00	$6 70	$4,949 69
" " 2	3,696 00		159 21	$31 81		142 82	32 10	2 19	4,064 13
" " 3	5,141 30		251 34		3 50	388 60	8 50	21 89	5,815 13
" " 4	5,025 70		244 15	73 76	236 95	105 30	35 55	10 72	5,732 13
" " 5	2,267 75		110 06	22 50	28 70	85 08	45 05	1 95	2,561 09
" " 6	2,929 85		113 51	32 50		114 28	40 52	5 91	3,236 57
" " 7	7,943 80		383 40	57 00	218 85	311 71	55 18	10 27	8,980 21
" " 8	4,736 25		195 74	38 00	355 52	132 47	51 50	13 82	5,523 30
" " 9	5,949 05		287 37		3 47	233 25	16 33	5 37	6,494 84
Totals, Colored	$102,564 90	$1,069 75	$5,763 87	$988 95	$2,303 25	$3,889 09	$1,051 79	$553 30	$118,184 90
Male Polish Night	$ 972 00		$82 03						$ 1,054 03
Female "	753 50		48 80						802 30
Bohemian Night	1,299 00		38 76					$ 42 24	1,380 00
Night No. 1	800 00		11 54					21 25	832 79
" " 2	1,043 00		140 14		$12 00			90 11	1,285 25
" " 5	628 00							65 98	693 98
" " 8	941 50		50 49					63 12	1,055 11
" " 11	936 75		63 75		5 00		$4 80	75 34	1,085 64
" " 12	656 00		53 23					25 50	734 73
" " 17	1,034 50		36 68					50 75	1,121 93
Colored Night No. 1	1,034 00		58 59					81 63	1,174 22
" " 3g	255 00		57 32					6 10	318 42
Totals, Night	$10,353 25		$641 33		$17 00		$4 80	$522 02	$11,538 40

Annex, General Expense	$ 1,867 20	.....	.....	.....	.....	.....	$77 65	$215 00	$ 2,159 85
Annex No. 1.	3,865 40	$144 00	$231 82	$ 88 64	$142 70	$220 50	40 60	13 67	4,747 33
" " 2.	10,416 15	....	800 70	87 00	154 61	420 63	86 57	39 19	12,004 85
" " 3 Male.....	3,867 00	.....	298 84	16 20	325 36	130 25	43 02	.....	4,680 67
" " 3 Female.....	3,254 25	500 00	258 18	96 48	37 05	164 75	90 09	61 03	4,461 83
" " 4.....	4,734 70	....	210 46	.....	.....	220 75	26 35	3 24	5,195 50
" " 5.....	3,694 65	370 84	192 60	73 65	3 47	163 50	72 93	38 25	4,609 89
" " 6.....	5,389 50	.....	611 31	.....	292 43	360 50	42 95	123 75	6,820 44
" " 7.....	6,226 95	... ...	437 53	282 45	345 39	282 25	119 82	13 42	7,707 81
" " 8.....	8,405 20	.....	601 23	....	121 20	522 25	9 25	38 82	9,697 95
" " 9.....	4,925 95	75 00	269 86	12 00	969 85	406 75	58 46	60 75	6,778 62
" " 10.....	2,938 50	....	236 66	37 80	.....	158 75	20 00	28 30	3,420 01
" " 11.....	6,748 45	....	468 46	....	....	535 80	43 18	95 54	7,891 43
" " 12.....	10,842 45	960 00	600 00	79 75	.....	428 00	45 85	11 88	12,967 93
" " 13.....	10,641 75	.....	600 00	31 50	12 00	623 25	337 43	37 74	12,283 67
" " 14.....	1,490 45	210 00	133 49	88 00	172 36	71 25	51 05	73 39	2,289 99
" " 15.....	2,746 00	600 00	541 84	9 50	1,792 62	443 75	15 00	147 26	6,295 97
" " 16 Male. *h*.....	3,417 50	....	197 00	3 00	....	195 50	33 45	10 00	3,856 45
" " 16 Female, *h*.....	3,732 55	....	170 04	106 28	18 40	212 50	264 23	6 53	4,510 53
" " 17*i*.....	2,741 75	....	109 61	5 10	.....	483 00	4 70	28 01	3,372 17
" " 1 Colored.....	1,830 80	120 00	89 91	51 05	29 40	122 37	32 65	2 21	2,278 39
" " 2 *j* "	753 00	225 00	54 93	.....	....	41 20	.....	2 16	1,076 29
" " 3 "	1,703 20	....	96 29	18 58	3 00	81 75	35 00	83	1,938 65
" " 4 *k* "	2,791 10	360 00	139 57	21 25	... .	80 78	23 50	10 53	3,426 73
" " 7 Night.....	1,658 00	....	202 83	.....	....	.....	.....	156 99	2,017 82
Totals, Annex.....	$110,682 45	$3,564 84	$7,553 16	$1,108 23	$4,419 84	$6,370 03	$1,573 73	$1,218 49	$136,490 77

g—Organized November 13, 1894. *h*—Formerly No. 34; *i*—Formerly No. 35; *j*—Organized March 19, 1894; *k*—Formerly No. 10.

TABLE B—Concluded.

Summary of the Itemized Expenditures of the Several Grades of Schools.

Schools.	Salaries.	Rents.	Books and Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printing, etc.	Totals.
General Expense & Library.	$ 28,278 35	$ 375 00	$ 716 15	$ 23 45	$ 45 50	$ 38 62	$1,104 72	$5,914 29	$ 36,496 08
Baltimore City College.....	32,935 75	....	2,074 82	....	54 95	833 46	177 39	1,711 01	37,787 38
Female High Schools.....	29,035 00	....	2,416 84	393 77	172 17	865 85	155 65	524 22	33,563 50
Male Grammar Schools.....	120,524 10	720 00	10,672 81	1,529 26	1,710 76	4,949 58	2,379 84	537 46	143,023 81
English-German Schools....	78,997 00	275 00	5,871 96	826 39	1,904 50	2,264 19	804 83	147 96	91,091 83
Female Grammar Schools..	105,629 90	780 00	10,653 10	1,332 80	1,497 83	4,831 30	1,585 10	640 81	126,950 84
Male Primary Schools.....	148,448 15	1,679 00	7,479 02	2,557 60	5,619 92	6,059 14	3,461 04	1,324 52	176,628 39
Female Primary Schools....	138,375 75	455 00	6,155 41	1,789 55	2,447 24	6,073 07	2,857 14	727 67	158,880 83
White Schools.....	$682,224 00	$4,284 00	$46,040 11	$8,452 82	$13,452 87	$25,915 21	$12,525 71	$11,527 94	$804,422 66
Colored Schools.....	102,564 90	1,069 75	5,763 87	988 95	2,303 25	3,889 09	1,051 79	553 30	118,184 90
White and Colored..	$784,788 90	$5,353 75	$51,803 98	$9,441 77	$15,756 12	$29,804 30	$13,577 50	$12,081 24	$922,607 56
Night Schools.....	10,353 25	....	641 33	....	17 00	....	4 80	522 02	11,538 40
Manual Training Schools...	23,807 00	....	1,464 86	203 17	677 89	689 86	725 62	12,110 89	39,679 29
Annex Schools..	110,682 45	3,564 84	7,553 16	1,108 23	4,419 84	6,370 03	1,573 73	1,218 49	136,490 77
Totals.....	$929,631 60	$8,918 59	$61,463 33	$10,753 17	$20,870 85	$36,864 19	$15,881 65	$25,932 64	$1,110,316 02

TABLE C.

Showing the Location of Schools, Size of Lots, Amount of Ground Rents, Amount Paid on Account of Lots, Size of Buildings, Estimated Value of Buildings and and Date of Erection.

Schools.	Location.	Size of Lot.	Amount of Ground Rent.	Amount paid on Account of Lot.	Size of Building.	Estimated Value of Building.	Date of Erection.
Baltimore City College	Howard, opposite Centre	120 x 260	$4,600 00	.....	100 x 162	$110,000	1874
	" " (additional lot)	88^6 x 243	.....	$50,000 00	.....	.....	.....
E. F. High School	Aisquith and Orleans	102 x 210	540 91	2,651 50	102 x 56	80,000	1868
	Side lot and rear building	39 x 180	75 00	15,000 00	51 x 58	.....	.....
W. F. High School	Fayette, near Paca	98 x 144	1,188 00	.....	72 x 132	55,000	1858
	McCulloh st. and Lafayette ave., new lot	97^9 x 230	.....	30,666 66	86^5x 191^{11}	.....	.....
Polytechnic Institute	Courtland, near Saratoga (old building)	82 x 90	.....	6,437 75	44 x 90	18,000	1868
	" " (new ")	62^6 x 90	220 00	10,000 00	54 x 90	25,000	1890
	" " (additional lot)	37^6 x 90	.....	10,000 00	.....	.....	.....
Male G. and P. No. 1	N. E. corner Fayette and Greene	97 x 102	354 00	9,000 00	83 x 96^7	25,000	1880
Female G. and P. No. 1	S. W. " "	77^6 x 170	1,094 75	.....	62 x 140	27,000	1875
Grammar No. 2	Broadway and Bank	100 x 141	244 44	.....	101 x 39	30,000	1888
	" " (rear building)	.....	.....	.....	52 x 87	.....	.....
G. and P. No. 3	High, near Fayette	80 x 167*	900 00	.....	50 x 145	28,800	1875
Grammar No. 4	Sharp, near Montgomery	100 x 155	600 00	.....	56 x 85	18,000	1869
" " 5	Greenmount avenue and Eager	66 x 150*	600 00	.....	55 x 100	17,000	1872
" " 6	Division, near Lanvale	104^2 x 171^3	800 00	.....	55 x 120	21,000	1877
" " 7	Eastern avenue and Burke	100 x 150	350 00	.....	52 x 136	24,000	1880
" " 8, old	Hollins, near Monroe	140 x 129	700 00	.....	54 x 112	18,000	1877
" " 8, new	Hollins and Monroe	Old lot.	.....	.....	55 x 104	21,000	1890
" " 10	William and Warren avenue	70 x 140	175 00	.....	44 x 103	13,000	1850
" " 11	Bond and Jefferson	70 x 152^3	19 00	8,700 00	56 x 116	20,000	1884
" " 12	Ridgely, near Fremont	124 x 155	620 67	.....	73 x 125	25,000	1877

Grammar No. 13	Aisquith, near Lexington	55 x 180	25 00	12,600 00	44 x 100	17,000	1870
M. Gram. No. 15	Carrollton avenue, near Lexington	100 x 160[4]	400 00		55 x 107	20,000	1860
F. Gram. No. 15	Carrollton avenue and Lexington	49[6] x 103		10,000 00	49 x 135	20,000	1886
Grammar " 16	Hull and Clement (Locust Point)	100 x 155[3]	350 00		56 x 113	18,000	1882
" " 17	Washington, near Fayette	93 x 190	581 25		52 x 119	20,000	1871
" " 18	Harlem avenue and Monroe	85 x 249[6]	480 00		56[4] x 143[6]	30,500	1893
Gram. and Prim. No. 19	Park avenue and Hoffman	120 x 150	1,020 00		100 x 147	35,000	1892
Grammar No. 20	Eden and Federal	180[6] x 100		8,000 00	60 x 124	33,000	1890
" " 21	Presstman and Gilmor	102[5] x 155	620 00		55 x 121	32,000	1876
" " 22	Mulberry, near Fremont	87[8] x 134	350 67		54 x 85	15,000	1868
Eng-Ger. " 1, old	Druid Hill avenue, near Biddle	75 x 100	150 00		44 x 100	12,000	1841
† " " 1, new	Pennsylvania avenue and Dolphin	189x80 (110)	1,147 50		56[4] x 138	26,000	1893
" " 2	Charles and Ostend	74[6] x 219[2]	372 50		56 x 150	28,000	1882
" " 3	Baltimore, near Aisquith	120 x 170	1,300 00	5,000 00	54 x 118	28,000	1879
" " 4	Chase and McDonogh	80 x 223	501 75		56 x 183[2]	30,500	1882
" " 5	Lexington, near Fremont	81 x 220[6]		15,000 00	60 x 124	25,000	1890
" " 6	Ramsay and Smallwood	178[7] x 165[6]		4,000 00	53 x 135		
Primary " 2	Gough and Stiles	75 x 92	250 00	3,500 00	32 x 55	9,000	1854
" " 4	Hanover and Lee	80 x 76[6]	210 00		52 x 76	6,000	1834
" " 5	Broadway and Ashland avenue	120 x 120	600 00		60 x 113	24,000	1876
" " 6	Ann, near Canton avenue	63 x 140	112 50	6,800 00	46 x 100	14,800	1878
" " 7	Mullikin, near Aisquith	74 x 100	**		45 x 65	5,000	1864
" " 8	Caroline, near Lombard	105[6] x 150	221 34	6,200 00	94[7] x 59[7]	18,000	1888
" " 10	Hollins, near Schroeder	60[8] x 134	200 00		46 x 70	6,000	1855
" " 11	Gilmor and Mosher	126[2] x 156[10]	757 00		57[9] x 104	30,000	1886
	" " " (rear building)				30[7] x 105[6]		1889
" " 12	Barre and Warner	67 x 120	268 00		55 x 84	16,000	1870
" " 13	Patterson Park avenue and McElderry	155 x 115	530 00		55 x 105	21,000	1890
" " 14	Linden avenue and Wilson	105 x 150	840 00		55 x 117	20,000	1882
" " 15	Saratoga and Carrollton avenue	100 x 150	700 00		50 x 120	19,000	1872
" " 16	Harford and Ashland avenues	105 x 158*	790 00		56 x 113	19,000	1876
" " 17	Light and Poultney	62[1] x 122	217 00	800 00	50 x 72	10,000	1875
" " 18	Argyle avenue, near Lanvale	80 x 140	315 00		45 x 68	13,000	1858
" " 20	Eden and Preston	100 x 207	592 00	6,000 00	51 x 167	35,000	1868

TABLE C—Continued.

Schools.	Location.	Size of Lot.	Amount of Ground Rent.	Amount paid on account of Lot.	Size of Building.	Estimated Value of Building.	Date of Erection.
Primary No. 21	Pennsylvania avenue and Robert	80 x 155	$ 320 00	.....	50 x 80	$ 16,000	1869
" " 22	Ramsay, near Scott	71 x 128[6]	177 50	.....	45 x 95	10,000	1855
" " 23	Gough and Wolfe	75 x 110	150 00	$2,400 00	57[9] x 104	19,000	1886
" " 24, new	Fait ave. and Patuxent	150 x 100	.....	7,500 00	77 x 86	21,000	1890
" " 24, old	Chesapeake and Hudson (Canton)	80 x 100	.....	.....	32 x 50	5,000	1853
" " 25	Caroline, near Canton avenue	129[6] x 110	.....	14,962 50	93 x 90	25,000	1892
" " 26	Orleans, near Bond	84 x 75	126 00	4,500 00	50 x 65	15,000	1874
" " 27	Fayette and Chester	92 x 120	274 50	.....	48 x 72	18,000	1869
" " 28	Battery avenue and Clement	75 x 82	270 00	1,000 00	46 x 82	15,000	1869
" " 29	Sharp, near West	114 x 155	570 00	.....	55[9] x 104	21,600	1886
" " 30	Hollins, near Monroe	150 x 129[6]	750 00	.....	55 x 82	16,000	1874
" " 31	Schroeder and Pierce	60 x 122	228 00	2,500 00	57[4] x 102	21,000	1890
" " 32	Guilford avenue and Lanvale	80 x 154	.....	11,800 00	67 x 98	21,000	1890
" " 33	Light and Clement	100 x 100	.....	10,000 00	67 x 98	21,000	1890
" " 35	Hanover and Winder	132 x 198	.....	6,700 00	.....	.....	.....
Col. Manual Training	Fremont, near Lombard	74 x 150	.....	1,200 00	44 x 65	8,000	1843
H. & G. & Col. P. No. 1	Saratoga, near Charles	66 x 193	600 00	16,000 00	52[2] x 126[3]	25,000	1888
Colored Grammar No. 2	Jefferson, near Caroline	83[6] x 80	200 00	1,350 00	32 x 80	5,000	1855
" " " 3	Howard and Montgomery	50 x 104	160 00	8,000 00	40 x 64	6,000	1872
Colored Primary " 2	Rogers ave., near Lexington	75 x 105	25 00	5,125 00	49 x 80	13,000	1874
" " " 3	Hill, near Sharp	86 x 90 (155)	192 00	9,600 00	76[9] x 133[11]	27,000	1893
" " " 4	Biddle, near Pennsylvania avenue	70 x 150	70 00	5,000 00	40 x 92	10,000	1870
" " " 5	Caroline, near Bank	76 x 90	135 00	4,800 00	45 x 65	8,000	1867
" " " 6	Barre, near Eutaw	65 x 112	300 00	.....	40 x 80	10,000	1854

TABLE C—Concluded.

Colored Primary No. 7	Waesche, near Fremont avenue	143[9] x 120*	$ 480 00		59 x 120	$22,000	1877
" " " 8	Bond and Ashland avenue	80 x 80	130 00		40 x 54	7,000	1764
" " " 9	Carrollton and Riggs avenues	97[1] x 157		$7,000 00	52[4] x 97[5]	19,000	1888
" " " 10	Girard avenue and Sherman Place	120 x 124		7,200 00			
Primary " —	Summit and Monroe	72[4] x 245		9,500 00			
Annex No. 1	Homestead, Gorsuch avenue	42 x 90		1,000 00	35 x 50	4,500	
" " 2	Waverly, York road	100 x 200		4,000 00	35[6] x 90	14,500	
	Rear building				50 x 33		
" " 3, Male	Oak and Fifth (Twenty-fourth)	60 x 122		4,000 00	50 x 60	10,000	
" " 4	Chestnut and Fourth avenues	176[8] x 230		5,000 00	55 x 105	21,000	1890
" " 5	Hampden, Merryman's lane	87 x 240*		1,000 00	71 x 24	1,000	
" " 6	Same as No. 4						
" " 7	Woodberry, on Woodberry avenue	45 x 130	22 50		37 x 96	10,000	
" " 8, old	Clifton, on Clifton avenue	40 x 150		2,000 00	40 x 90	4,000	
" " 8, new	Francis, near Fulton avenue	150 x 150	480 00		64[4] x 105	25,000	1893
" " 9	Calverton, Bloomingdale road	75 x 169		1,500 00	60 x 100[7]	15,500	1893
" " 10	Carroll, Old Frederick road	60 x 225*	01	2,000 00	52 x 27	4,500	
" " 11	Millington avenue and Lehman	80 x 200*	240 00		64 x 119	21,000	1892
" " 13	North avenue and Washington	80 x 150		5,000 00	66 x 120	25,000	1891
" " 15	N. E. cor. Ninth and Northwest	128 x 194		4,718 66	66[5] x 106	25,000	1894
" " 16	Huntingdon avenue, near Charles	100 x 150		7,000 00		18 000	1890
" " 17	Old Frederick road and Fairview avenue	150 x 257*	360 00		67 x 92	15,000	1892
Annex Colored No. 1	Waverly, Merryman's lane	127[5] x 32[6]**	50 00		24[6] x 48	700	
" " " 3	Frederick road, near toll-gate	41 x 283*	50 00	1,000 00	24 x 108	1,000	

*Irregular in form. †Occupied by Baltimore City College. **House built on the rear of lot leased for E. F. H. School.

Total amount paid on account of lots ..... $ 394,712 07
Total value of buildings, actual or estimated 1,859,900 00

Amount of ground rents in the above list $33,534 79

TABLE D.

Showing Locations of Rented Buildings, by what Schools Occupied, and Amounts of Rent Payable.

General storage, Hasselberger court	$300 00
Public School Library, 310 St. Paul street	300 00
Grammar No. 6, 1310 Division street	360 00
Male Grammar No. 9, 808 N. Calvert street	540 00
Female Grammar No. 9, 411 Courtland street	600 00
Primary No. 3, 118 N. High street	600 00
Primary No. 6, Canton avenue, near Broadway.	300 00
Primary No. 12, 611 Barre street	300 00
Primary No. 19, S. E. corner Park avenue and Hoffman street	360 00
Primary No. 21, N. E. Corner Patterson avenue and Stricker street	480 00
Primary No. 22, 786 Columbia avenue	264 00
Primary No. 24, Chesapeake and O'Donnell streets	600 00
Primary No. 34, 1261 and 1263 James street	300 00
Primary No. 35, N. E. corner Light and Randall streets	300 00
Male Primary No. 36, N. W. corner Collington avenue and Lombard street	460 00
Female Primary No. 36, 23 S. Collington ave.	240 00
Male Primary No. 37, S.W. corner Biddle street and Patterson-park avenue	264 00
Female Primary No. 37, N. W. corner Hoffman street and Collington avenue	500 00
Male Colored No. 1, 413 Courtland street	775 00
Male Colored No. 8, McDonogh and Barnes sts.	276 00
Male Colored No. 9, 2211 Pennsylvania ave.	600 00
Amount carried forward	$8,719 00

TABLE D—Concluded.

Amount brought forward	$8,719 00
Annex No. 1, Homestead	144 00
Female Annex No. 3, 38 E. Huntingdon ave	500 00
Annex No. 5, Hickory ave., near Fourth ave.	600 00
" " 12, Lombard street, near Wilkens.	600 00
" " 12, Calverton ave. and Lipps' lane.	360 00
" " 14, Park Heights avenue	360 00
Annex Colored No. 1, Merryman's lane	120 00
Annex Colored No. 2, Calverton road and Edmondson avenue	300 00
Annex Colored No. 4, 21½ st., near Barclay	240 00
" " " 4, 330 22½ street	120 00
Total amount of rents	$12,063 00

SCHEDULE

—OF—

Salaries of Officers and Teachers of Public Schools.

GENERAL EXPENSE ROLL.

Superintendent of Public Instruction	$2,500
Assistant Superintendent	2,000
Secretary	2,000
Assistant Secretary	1,500
Superintendent of Supplies	1,800
Committee Clerk	480
Librarian	1,200
Clerk to Secretary	1,000
Superintendents of Music, each	1,500
Librarian of Public School Library	900
Supervisor of Drawing	720
Teachers of Drawing, each	500
Directress of Sewing	600
Teachers of Sewing, each	500

BALTIMORE CITY COLLEGE.

Principal	$2,400
Professors (not otherwise specified)	2,000
Professor of Writing and Book-keeping, and Secretary to Faculty	2,000
Professor of Drawing	1,800
Adjunct Professors	1,800
Tutors	1,000

FEMALE HIGH SCHOOLS.

Principals	$2,400
First Assistants	1,008
Other Assistants and Teachers, each	900

BALTIMORE POLYTECHNIC INSTITUTE.

The present president of this school is an officer of the United States Navy, detailed for service at this school, and receives from this Board	$ 500
Vice-president	1,200
Instructors	1,200
Assistants	$600, $720, $900, 1,000

COLORED MANUAL TRAINING SCHOOL.

Instructors	$900
Assistants	600

MALE GRAMMAR SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals	$1,296	$1,404	$1,500
First Assistants (Male)	804	900	
First Assistants (Female)	588	672	
Second Assistants	456	516	
Third Assistants	444	504	

ENGLISH-GERMAN SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals	$1,296	$1,404	$1,500
Vice-Principals	804	900	1,008
First Assist's (Eng. Fem.)	564	648	
First Assist's (Ger. Male)	600		

Teacher in charge of lowest grade..... 504

Other assistants in grammar grades, same as third assistants in male grammar schools.

Assistants in primary grades, same as assistants in primary schools.

FEMALE GRAMMAR SCHOOLS.

	1st Year.	2d Year.
Principals	$804	$900
First Assistants	564	648
Second Assistants	444	504
Third Assistants	432	480

MALE AND FEMALE PRIMARY SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals	$600	$696	
Assistants	408	432	$468
Teacher in charge of lowest grade			504

HIGH AND GRAMMAR COLORED SCHOOLS.

Principals and assistants in grammar grades, the same as male grammar schools.

Assistants in High School department..... $672

COLORED PRIMARY SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals (Male)	$804	$900	
Principals (Female)	600	696	
First Assistants (Male)	700		
Assistants (Female)	408	432	$468
Teacher in charge of lowest grade			504

INTERMEDIATE SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals (Males)	$1,200		
Principals (Females)	804		
First Assistants	600		
Teacher in charge of lowest grade	444	$468	$504

Other assistants in grammar grades, same as third assistants in female grammar schools.

Assistants in primary grades, same as assistants in primary schools.

UNCLASSIFIED SCHOOLS.

Composed of Primary and Grammar Scholars and Not Otherwise Designated.

	1st Year.	2d Year.	3d Year.
Principals	$696	$780	$900
First Assistants	504	552	600

SATURDAY NORMAL CLASS.

Principal	$200
Assistants	150

NIGHT SCHOOLS.

Principals, $2.50 per night for actual service.
Assistants, $1.50 per night for actual service.

The Schedule of Salaries to be Subject to the Following Conditions:

All below the grade of second assistant in male and female grammar schools to be graded as third assist-

ants, the Board of School Commissioners to determine at the annual election the grade of each assistant; in case of failure to do so, the senior assistant to grade highest in all cases.

In male and female grammar schools not employing three assistants, the lowest assistant shall rank as third assistant, and so continue until there are three assistants employed in that school, excepting the first assistant, who shall in all cases rank as first assistant.

Teachers who may have served for *two full* years in any of the public schools of Baltimore, upon promotion to grammar schools shall be entitled to the second year's salary of that grade to which they may be assigned, (excepting that of principal); and teachers who shall have served *three full* years, counting the time served in the public schools of Baltimore and the time served in any school or schools of recognized merit, shall be entitled to the highest salary of the grade to which they shall be assigned (excepting the grade of principal of grammar school), from and after the date upon which they submit satisfactory written evidence of that fact to the President of the Board, who shall be vested with power to decide.

Teachers elected during the month of September shall receive the full salary for the months of July

and August of the succeeding year; those elected in October shall receive nine-tenths of said salary; in November, eight-tenths, and so on to the close of the scholastic term.

Any teacher who shall have served the usual probationary period of ninety days before the close of the scholastic year, and who shall be elected at the annual election, shall receive her proper proportion of salary for July and August.

When transfers are made from one school or position to another the teacher transferred shall draw the salary of the position from which he or she has been transferred till the end of the month in which the transfer shall be made.

SALARIES OF JANITORS, JANITRESSES AND FIREMEN.

Janitor and Fireman of Baltimore City College.	$1,000
Assistant Fireman of Baltimore City College...	600
Janitor of Baltimore Polytechnic Institute.....	720
Fireman of Baltimore Polytechnic Institute...	720
Janitor of Baltimore Polytechnic Institute, new building.....	720
Fireman of Eastern Female High School.....	480
Fireman of Western Female High School.....	400
Janitresses of Female High Schools, each.....	300

Fireman and Engineer of No. 3 English-German School, $40 per month. For large furnaces in schools

having the Smead system, $10 each per month, and for other furnaces $5 each per month.

Janitresses of schools having three class-rooms shall receive $9 per month; four class-rooms, $10 per month; five class-rooms, $11 per month; six class-rooms, $11.50 per month and increase fifty cents per month for each additional class-room. They shall receive additional compensation for making fires in stoves from October to April, inclusive, at the rate of 50 cents per month for each stove on the first floor, and 75 cents for each stove on the second and third floors. The salaries of janitresses of schools containing more than twelve class-rooms, and of janitresses of buildings used as branches of schools, shall be fixed by the President and Secretary, subject to the approval of the Board.

Janitresses of Night Schools, $5 per month.
Firemen " " $4 "

REPORT

—OF THE—

Superintendent of Public Instruction.

BALTIMORE, January 1, 1895.

To the Honorable the Mayor and City Council,
and the Board of Commissioners of
Public Schools of Baltimore City.

GENTLEMEN:

The following report of the condition and statistics of the schools for the year ending December 31, 1894, is submitted for your consideration:

SUMMARY OF STATISTICS.

Population of Baltimore — white, 384,394; colored, 71,033; U. S. census 1890	455,427
Enumeration, school census, 1888	110,731
School age	6–21
Basis of taxation	$325,744,388

School tax—City, 32 cents; State, 10½ cents		42½ cents.
Number of pupils in school during the year		72,980
Number of pupils on roll December 31, 1894		59,808
Increase	2,760	
Number of teachers December 31, 1894		1,557
Increase	93	
Number of schools December 31, 1894		165
Increase	5	
Percentage of attendance on enrollment		86
Increase	1 per cent.	

HIGH SCHOOLS AND COLLEGE.

Number of pupils on roll December 31, 1894		1,694
Increase	179	
Percentage of attendance		93⅔
Increase	⅔ per cent.	
Number of pupils to a teacher on enrollment		39
Increase	5	
Number of pupils to a teacher on average attendance		34
Increase	2	

POLYTECHNIC INSTITUTE.

Number of pupils on roll December 31, 1894		543
Increase	57	
Percentage of attendance		95
Increase	1 per cent.	
Number of pupils to a teacher on enrollment		27
Increase	2	
Number of pupils to a teacher on average attendance		28
Increase	7	

GRAMMAR SCHOOLS.

Number of pupils on roll December 31, 1894		14,178
Increase	639	
Percentage of attendance		89½
Increase	½ per cent.	
Number of pupils to a teacher on enrollment		39
Increase	1	
Number of pupils to a teacher on average attendance		34
Increase	1	

ENGLISH-GERMAN SCHOOLS.

Number of pupils on roll December 31, 1894		5,695
Increase	202	

Percentage of attendance		90
Increase	1	per cent.
Number of pupils to a teacher on enrollment		40
Same as last year.		
Number of pupils to a teacher in average attendance		36
Same as last year.		

PRIMARY SCHOOLS.

Number of pupils on roll December 31, 1894		22,325
Increase	984	
Percentage of attendance		84½
Increase	½	per cent.
Number of pupils to a teacher on enrollment		38
Decrease	3	
Number of pupils to a teacher on average attendance		34
Decrease	1	

COLORED SCHOOLS.

Number of pupils on roll December 31, 1894		7,853
Increase	314	
Percentage of attendance		81
Increase	3	per cent.

Number of pupils to a teacher on enrollment		41
Increase	2	
Number of pupils to a teacher on average attendance		32
Increase	2	

ANNEX SCHOOLS.

Number of pupils on roll December 31, 1894		7,422
Increase	274	
Percentage of attendance		81
Increase	1 per cent.	
Number of pupils to a teacher on enrollment		39
Decrease	2	
Number of pupils to a teacher on average attendance		33
Decrease	1	

ACCOMMODATIONS.

City College.—The new building for the accommodation of this school is very much needed, and there should be no delay in having it ready for the occupancy of the school in the shortest time possible. The building occupied by the school at this time is too small, and does not afford many facilities that are necessary for the efficient conduct of the school.

Western Female High School.—It is very desirable that the building for the use of this school should be completed and occupied by the school as soon as possible, as the growth and progress of the school are greatly impeded by the lack of suitable and sufficient accommodations.

Eastern Female High School.—This school is in need of increased accommodations. As there is sufficient ground for the purpose, it would be well to erect an addition to the building large enough to provide the necessary number of class-rooms.

Grammar School No. 2.—Both the male and female departments have a larger number of pupils than the building will seat. Several classes are accommodated in the building occupied by Primary School No. 25. As the neighboring grammar schools, except No. 17, have all of their rooms occupied—some of them overcrowded—it is necessary to provide additional room for the use of this school. Pupils of No. 7, No. 2 and No. 11 who live near enough to No. 17 should be instructed in No. 17 School, in which there are several unused class-rooms.

No. 6 Grammar School, as was stated in my last report, is still overcrowded in the main building, while some of its classes have to be taught in a rented house entirely unsuitable for school purposes. This

state of affairs has existed for a long time, and has seriously interfered with the successful operation of the school. It is very important to supply the school with the necessary accommodations. This section of the city is not adequately supplied with space to meet the wants of the number of children residing in it. The schools in the adjacent districts are full or overcrowded also, and it seems to me the only solution of the difficulty lies in enlarging No. 6 by adding an additional story to the building, or by establishing a new grammar school somewhere northeast of this locality.

No. 7 Grammar School.—The female department of this school needs another class-room. Two teachers have to instruct their classes in the same room. Besides interfering materially with the proper instruction of the children, it is very objectionable from a sanitary standpoint to seat two classes in a room which contains only a sufficient amount of air for one class. The section of the town in which this school is located is growing in population, and this matter requires careful consideration.

No. 10 Grammar School.—The female department of this school, as was stated in my last report, needs additional room for the accommodation of its classes. It is necessary to instruct three classes in two of the class-rooms. Good work cannot be done under such

unfavorable conditions. Teachers and pupils are not only subjected to serious inconvenience which interferes with the instruction of the children, but their health is impaired by the lack of a sufficient amount of pure air. As there is room for some of the pupils of this school in No. 4 Grammar School, not far away, and as the building now occupied by No. 17 Primary School is very badly lighted, and the class-rooms too small, it is recommended that No. 10 Grammar School, which is located in the extreme north of its district, be moved further south; that No. 17 Primary School be moved to the building now occupied by No. 10 Grammar School, and that the district lines of No. 4 and No. 10 Grammar Schools be changed so as to give a portion of the northern district of No. 10 to No. 4. This part of the city has been built up to the south and east very considerably within the last few years, and as the erection of dwellings on the ground yet unoccupied will continue, by carrying out these recommendations this neighborhood will be adequately supplied with grammar school facilities for some time to come.

No. 9 Grammar and Primary Schools have been conducted in rented dwellings in the neighborhood since the building they formerly occupied was taken for the use of the Polytechnic Institute. The buildings which they now occupy are not suitable for school purposes. On account of the dark, small and

badly ventilated rooms in these buildings, parents who reside within the limits of the district are unwilling to send their children to these schools, consequently many of them attend No. 19 and No. 32 Primary, both of which are full or overcrowded. It is necessary to erect a building for these schools, not only on account of the unsuitable and unsanitary rented buildings they occupy, but also to relieve, to an extent, the overcrowded condition of No. 19 and Primary School No. 32.

No. 11 Grammar School.—The female department of No. 11 has not sufficient accommodations; one of the classes is taught in a room of the male department, and another in a small retiring room not large enough for a class-room.

No. 13 Grammar School, situated a short distance to the west of No. 11, has enough unoccupied space to seat the excess of pupils at No. 11. Hereafter, when receiving new pupils in No. 11 school, those who live near enough to do so should be required to attend No. 13 or No. 17 Grammar Schools.

No. 19 Grammar School.—The primary and grammar schools occupying this building have increased to such an extent as to require increased accommodations. Some of the pupils belonging live in the district of No. 3 Male and Female Annex Schools, in

which there is room for their accommodation, others live in the district of No. 9 Primary and Grammar, and some of them are non-resident pupils. Hereafter, when receiving new pupils into this school, either new admissions, promoted or transferred pupils, those who live in districts in which there is room for their accommodation should be required to attend school in their own district. Non-resident pupils should be admitted only after resident pupils have been accommodated. But after these recommendations have been fully complied with, it is thought that the building is not large enough to seat the primary and grammar school pupils living in the district, and the only solution of the difficulty here and at No. 6 Grammar school seems to be to erect another building for grammar school pupils, northeast of No. 6, and about equidistant from No. 6 and No. 19. This arrangement would relieve the overcrowded condition of the two grammar schools, and if, after this is done, additional primary school accommodations are needed, a new primary school building should be erected northeast of, and opposite to, the middle point of a line joining No. 14 and No. 19 Primary school buildings.

No. 20 Grammar school. In both departments, the new building erected a short time ago, and afterwards increased by four additional class-rooms, is overcrowded, and it is necessary both on account of health and instruction to properly accommodate the pupils

of the school. Some of the pupils enrolled in this school live in the district of No. 5 Grammar school in which there is room for their accommodation. Hereafter, when receiving new pupils into this school, either by admission, promotion or transfer, those who live in districts in which there is room for their accommodation should be required to attend school in their own district.

English-German schools No. 2 and 4 have a larger number of pupils on roll than their buildings will properly accommodate, and it is important on account of the health and progress of the children that some arrangement should be made for supplying these schools with healthful and adequate accommodations.

Colored schools No. 4 and No. 9 are still overcrowded, and it is necessarry to make some arrangement that will afford them suitable accommodations.

Colored school No. 8 is greatly in need of a building suited to the needs of the school. Only two of the classes of the male department can be accommodated in the main building, the other rooms being occupied by the female department. Several of the classes of the male department have to be taught in rented rooms, not suited in any respect for classrooms. The principal, under such circumstances, has little opportunity to overlook the discipline and instruction of his classes.

Annex No. 1 needs, as has been stated in former reports, or will in a short time need, an addition capable of supplying the school with four additional class-rooms. Two classes of the school are taught in very small rooms in a rented dwelling-house situated a short distance from the main building.

Annex No. 4 and Annex No. 6 are kept in the same building, located at Chestnut and Fourth avenues. The building contains twelve class-rooms, and the number of teachers in both schools is sixteen, which, in four instances, necessitates two teachers to teach their classes in one class-room. Two classes cannot be satisfactorily taught in one room. Besides the lack of proper conditions for the best instruction, the foul air occasioned by overcrowding the rooms renders the pupils dull and listless, and at the same time lays the foundation for disease. This section of the city is increasing in population, which will be the case more and more, as it has been made much more accessible to the city proper by the Lake Roland Electric Railway, and it is important to give the matter proper consideration. The city owns the building west of No. 5, formerly used for school purposes, and the difficulty existing at Nos. 4 and 6 would be remedied if a sufficient number of pupils of Annex No. 5 living near enough to attend were transferred to this building and the space they vacated at No. 5 were occupied by some of the pupils of No. 4. This arrangement, it

seems to me, would relieve the overcrowded condition of No. 4 and No. 6 if properly carried out, and at the same time it would place the children in buildings nearer their homes.

Annex school No. 7 needs an additional room for one of its classes. It is necessary for two teachers to instruct two classes in one room. This impairs the health of the pupils, besides seriously interfering with their instruction.

Annex No. 12.—The building authorized to be constructed in the southwestern section of the city will provide long-needed accommodations for Annex school No. 12, the lack of which has for a long time caused great inconvenience to the school and seriously retarded its progress. The school now is provided with very inadequate and unsuitable accommodations. It is kept in three buildings—the basement of a church, a building adjoining the church, formerly used for a parish school, and a rented dwelling located at some distance from the other two buildings. Nearly all the rooms in these buildings are too small, most of them are badly lighted and ventilated, and they are not conveniently located for the use of a school to be supervised and controlled by one principal. On account of the health and the proper discipline and instruction of the pupils, it is highly important that the new house should be speedily com-

pleted and occupied by the school. It is unfortunate that the appropriation for the new building was insufficient to enable the Inspector of Buildings to build a house large enough to accommodate the school. Additional rooms must be added at considerably more expense than would have been incurred had the building been made large enough in the first instance.

BUILDINGS.

In order to be able to provide buildings intelligently and economically for the use of the schools, it is necessary to enforce the rule of the Board requiring pupils to attend school in their own district, and also to fix definitely the seating capacity of each building. When new buildings are erected for the use of the children living in a certain locality, pupils, in some instances, who according to the rules should attend another school, flock to and overcrowd the new buildings, while the space provided for them in the schools of their own district is left unoccupied. Much school space is in this way not used at all, and, in the interest of economy and of discipline, it is very necessary to require pupils to attend the schools in their own vicinage. When pupils live at convenient distances from school, their attendance, especially in bad weather, is better than it would be otherwise, their parents may be more conveniently and promptly communicated with and their co-operation secured.

Many of the buildings recently erected for the use of the schools are faulty in many essential particulars. The class-rooms in most of the buildings are not large enough to allow sufficient space outside of the desks for persons to move about the room. There is not sufficient space in front of the desks for the placing of blackboards, maps and other necessary apparatus for teaching. The rooms are about twenty-one by twenty-six feet, many of them only about twenty-two by twenty-one, while they should be about twenty-five by thirty, to give each pupil fifteen feet of floor space. It is very desirable and necessary that every school should have an assembling room, or to arrange the partitions separating several class-rooms so that they may be moved out of the way and the rooms thrown into one for an assembling room. A room of this kind is very necessary to the efficient management of a school—the opening exercises can be held by the school in a body; it affords the principal the opportunity of making announcements to the entire school at one time, it permits the occasional assemblage of all the grades to engage in the recitation of selections, declamations, the reading of compositions, and to participate in the exercises on the 22d of February, Arbor Day, etc.—besides serving to unify a school and put it more completely under the direction and supervision of the principal. As it may be considered too expensive to provide each school with a room to be used solely for this

purpose, it is desirable that the new buildings should be constructed so that several rooms, by the removal of the partitions separating them, may be converted into one room which may be used as an assembling room.

Some settled policy regarding plans for new buildings should be adopted and adhered to in the future. Certain regulations, conforming to well-established sanitary laws, fixing the amount of floor-space and air-space to be provided for each pupil, defining the method of heating and ventilation to be used, and the maximum number of pupils to be seated in one room under the care of one teacher, should be definitely fixed. The Inspector of Buildings is greatly embarrassed and hindered in the performance of his duties on account of not having such regulations for his guidance. It is very important that we should adopt a model school-building after the plan of which all new buildings for the use of schools should be constructed. This plan should embrace the best and most economical arrangements for heat, light, sanitation, ventilation, and the size and arrangement of class-rooms. If such an arrangement were properly carried out it would not only conduce to a more economical expenditure of the money appropriated for buildings, but it would at the same time promote the health and instruction of the children.

It may be thought that the demands upon the treasury for the erection of new school-houses and for other educational purposes are too large, and that an economical administration of the city finances will not justify so large an expenditure. While economy should be practised, and nothing should be done that is not absolutely necessary, yet one of the worst things we can do is to practice false economy and withhold from the schools what is really needed to afford all the children of school age in the city the necessary means of acquiring an education. The unwise policy of the past, which failed to supply the radidly growing system accommodations in proportion to its needs, the movement of population from the interior to the outskirts of the city, and the annexation of a large rapidly developing outlying territory, necessitate the expenditure of the requisite money to furnish additional accommodations for many pupils who are now in the schools, and for others who desire to attend. Many of the classes composed of primary pupils are overcrowded to such an extent as not only to affect the health of the pupils, but also to interfere seriously with their instruction. Under no circumstances should two teachers be under the necessity of teaching both of their classes in a room intended for one class. In many of the rooms in which pupils of the primary grades are taught two teachers, with their classes, occupy one room. Two-thirds of the pupils attending the school receive instruction in the

primary department. Considering this, together with the fact that here the foundation of their training is laid, and that a large number of pupils do not stay long enough in the schools to advance beyond the primary grades, there can be no question of the fact that these schools should receive the most of our care and attention. The primary school children should have every convenience necessary for their instruction, so that in the short time they are to be in school they may receive the greatest possible benefit. They should especially have well-qualified teachers, both scholastically and as to their ability to instruct and to govern. There is no excuse at this day for employing any teacher who has not a good high-school education, or its equivalent, supplemented by one or two years training in the theory and practice of teaching. As the primaryschools are organized,equipped and conducted so will our system be; their improvement or deterioration will in the highest degree affect the whole system and the community at large. The primary schools should be liberally supplied with everything that is necessary for their efficient management and growth. The children attending them should have for their instruction inviting school-buildings, conveniently located, suitably arranged and furnished. and well qualified teachers.

The Certification and Promotion of Teachers.

Your attention is again called to this important subject. According to the rules, as they stand now, regulating the eligibility and promotion of teachers, all the teachers in the schools who have served for ten years are declared to be eligible, if selected for promotion, to any position in a primary or a grammar school; those who pass the semi-annual examinations of applicants for certificates to teach, are declared eligible for ten years to any position in a primary or a grammar school; and the graduates of the College, the High Schools, and the State Normal School, who obtain a fixed average, are made eligible for ten years to any position in a primary or a grammar school. It is easy to see how the operation of these rules makes many persons eligible to the most responsible positions in the schools, for which they may be totally unfitted, either from a lack of experience in teaching or of a competent knowledge of the branches they would be called upon to teach, and at times on both of these accounts. By their operation persons may be selected to teach branches which they have given the Board no evidence that they understand themselves. What guarantee has the Board that teachers examined upon the merest elements of arithmetic, grammar and geography, as most of the teachers were at the time they entered the schools, are scholastically qualified to teach history, algebra, elementary science

and geometry, which are required by the course of study to be taught in the upper grammar grades? Under the old rules of the Board, applicants for certificates to teach were certificated according to the degree of difficulty of the examination they passed, as: second assistant of a grammar or a primary school, principal of a primary or a colored school, first assistant of a female grammar school, first assistant of a male grammar school, principal of a female grammar school, and as principal of a male grammar school. Under the operation of these requirements many teachers came forward voluntarily to give evidence to the Board that they were qualified scholastically to be promoted, and many of these secured higher positions and are at this time numbered among the best teachers in the schools. It is recommended, in this connection, that after securing the lowest place in the primary or grammar schools by one of the means now in vogue, that is to say, by examination, or graduation with the requisite average, that further claims to eligibility, and promotion to higher positions, be based on passing suitable examinations arranged for each position. I am quite sure that such a method of fixing the degree of eligibility of teachers would not only stimulate the teaching force generally to study, secure better promoted teachers, and greatly improve the school system, but also, that its adoption would be highly gratifying to a large number of our best and most experienced teachers, who would thus be enabled to see that there

is an equal chance for all, and that eligibility for promotion is based, as it should be, both in the interests of the teachers and the schools, on merit alone. In case these recommendations were adopted, promotions would almost regulate themselves as little mistake could be made in selecting for promotion any one from the list of those who had shown the Board, by successful experience in the schools and by passing the requisite examination, that she possessed the necessary qualifications to fill the position. The stimulus to study this system would give the teaching force is acknowledged to be a necessary and most important means of keeping up its tone and efficiency. No officer in the army or navy, or employé in the civil service, can be promoted from a lower to a higher position without showing by an examination that he has by study and attention to duty made himself competent to be promoted to the next higher grade. There is coming more and more into vogue also, another way of getting names on the list of eligibles, that is, by suspending the rules of the Board and declaring by vote that a certain person's name is placed upon the list of eligibles. Fairness to other applicants, and the highest interests of the school system and of the community, demand that all applicants shall become eligible for entrance into the schools and for promotion, in accordance with certain discriminative requirements, tested by suitable examinations, and that in securing a place upon the list of eligibles, fairness, to

say the least, demands that what is required of one person shall be required of all, and what is granted to one shall be granted to all. The rules passed in April, 1887, making those eligible, who graduated from the College, High Schools and State Normal School with the requisite average, and those who passed the semi-annual examination, eligible for ten years, were regarded as a step in advance, and as increasing the requirements of persons declared eligible to teach, but the amendments to the rules, made since that time, making all teachers who have been in the schools ten years, if selected for promotion, eligible to any position in a primary or grammar school, making persons who have left the service honorably, eligible at any time, to the position of second assistant in a primary or grammar school, and the frequent suspension of the rules to allow the names of applicants to be placed upon the list of eligibles, without complying with the rules relating to the eligibility of candidates, neutralize in a great measure their good effect, and, in fact, make the standard of eligibility lower than it was before the adoption of the rules in 1887; and it must be said that the operation of these rules and the plan of appointing and promoting teachers does not result in securing the best persons available as teachers. One of the most potent means of keeping a teaching force well prepared for its work, successful in accomplishing it, and constantly striving for higher achievement, is a well-arranged

plan for fairly testing the qualifications of those who are seeking appointment or promotion, and in selecting those in either case who are best qualified. If those employed to teach see that their advancement is due to merit alone they will strive arduously to excel, and if those who are preparing themselves to teach are convinced that qualifications alone are considered in making appointments, our teachers will not only come to us better prepared for their work, but the schools which are engaged in fitting persons for teachers will be greatly stimulated and benefited.

Supervision on the Part of Principals.

In addition to the duty of teaching a class, the general management and discipline of the school is at all times under the control of the principal, and his most important duty is to see that the assistant teachers discharge their duties faithfully and efficiently. In order to comply with the requirements of the rules of the Board in this respect it is necessary for the principal to visit the classes taught by his assistants, as frequently as possible, for the purpose of obtaining information as to the following facts: The length and character of lessons given for home study; the influence of the teacher in getting her pupils to prepare such lessons; the methods employed in giving instruction in each branch of study, whether the instruction is intelligent, or the mere repetition of the text-book without a proper understanding of the

subjects; the discipline of the class as to attendance, neatness, order, industry, habits of study; whether each part of the work is up to the point it should be, and whether there is reason to expect, when the time for promotion comes, that the pupils will be thoroughly prepared for the work of the next grade. It is too late to put off getting this information until the end of the year, when promotions are made. In order to bring his school up to a condition of thorough efficiency it is necessary for the principal to overlook his school as a whole, to ascertain the defects existing in any of its parts before it is too late, and to adopt measures promptly for their removal. It is true that a principal, who in addition to instructing a class is required to supervise his school for the purpose of unifying its parts so that they are made to work co-operatively and with the greatest amount of efficiency, has more to do than one person can perform with entire thoroughness, but when many duties demand our time and attention we should economize our efforts by using them in such a way that they may be productive of the greatest amount of good to all the interests concerned.

Principals must not only be good teachers, but they must combine with this qualification administrative and executive ability of high order. Some principals are not only excellent teachers, and instruct their own classes well, but at the same time they diligently over-

look their schools, and infuse their spirit and methods into all the classes. Their influence for good is potent throughout the building over which they have charge, in improving the attendance, in securing the co-operative influence of teachers, parents and commissioners, in a marked degree in improving teachers, in ascertaining the character of the work being done by each teacher, and in gradually having it done more satisfactorily—the whole school is inspired with a common purpose by their influence, and its work, though performed by separate individuals, is done harmoniously and effectively. Many of our schools have such principals, and it is not necessary to state that unmistakable signs of improvement are manifest throughout their schools. A principal, who by timely and effective supervision, succeeds in getting the work of each grade done thoroughly, and in proper relation to that of the other grades, without overlapping or loss of continuity, will find when the pupils have advanced to his class that they have acquired in the lower grades such habits of study, discipline, mental training, and knowledge of their work, as will fully prepare them to begin the studies of his grade, and that much of the time which should be devoted to teaching the work of the principal's grade will not have to be used in doing what ought to have been done in the grades below. The time of the principal, taken for the proper supervision of the lower grades, is really a gain instead of a loss to the pupils of the principal's class. It is only by means

of such faithful supervision on the part of principals that bad work can be discovered before the time for promotion arrives, and adequate measures adopted to rescue a class from failure and loss of most valuable time. Reading, geography, oral language, mental arithmetic and history, and the proper methods to be used in teaching them, require special attention on the part of principals during their supervisory visits. Teachers under the guidance of the mature judgment of their principal learn not only how to teach better, but to teach all the subjects of their grade, so as to have their work at the end of the year thoroughly prepared as the foundation upon which may be securely based the work of the next grade. Attendance and truancy require unremitting attention and co-operative effort on the part of principals, assistants and parents. In many of our schools these matters are attended to with faithfulness and intelligence, and, in consequence, the attendance improves yearly —the public sentiment of the neighborhood is educated up to the importance of regular and prompt attendance—and truancy is becoming less and less frequent, and in some instances almost unknown—while in some of the schools, the principals neglect their duty, and as a necessary consequence, the attendance is not as good as it should be, which materially retards the progress of the scholars, and there are many cases of truancy, which under efficient management would not have occurred. At the meetings of the

eighth grade teachers, nearly all of whom are principals, the subject of supervision has been fully considered, much interest has been awakened, and a disposition manifested to do everything that can be done to make improvement in this direction, and it may be confidently expected as we come to a better understanding and appreciation of the importance of the subject, that beneficial results will ensue.

Compulsory Education.

In traveling about the city on my rounds of duty, children are frequently seen who do not and never have attended school. Some are kept at home to assist their parents, most of them because their parents, or those having charge of them, do not appreciate the importance of the young being sent to school to be trained in good habits. The last school census, the police census of 1888, shows that of the 110,733 persons of school age, 6–21, residing in Baltimore, 43,885 were attending public schools, 15,965 were attending private or parochial schools, 50,831 were not attending school, of whom 31,623 had attended school for three years or more—leaving about 20,000 not in school, and who had not attended school for a period of time amounting to three years. Although these numbers have changed since 1888, yet it is plainly a fact that a number of children living in the city grow up without receiving any instruction or benefit from the public schools. This class of children

need the enlightening and good-citizen-building influence of the schools more than any other, in order that they may be trained to become successful workers and useful citizens. A community which can look forward with any hope of improvement in its citizenship and government must adequately provide the means for getting such children into the schools, and also for having them trained in good intellectual and moral habits. An accurate census of the school population should be frequently taken, and school attendance for a certain period of time should be required of all between the ages of six and twenty-one. Many persons, who send their children to private schools, willingly pay the tax for the support of the public schools, because they recognize the fact that good citizenship and good government are in a large measure secured by an efficient public school system and cannot be by any other means. After such a tax has been collected, is it not the duty of the State to *insure* to every child the training the public schools should give? The American idea is that public education is necessary to the maintenance of democratic institutions. The right to tax for the support of schools carries with it the duty to require attendance. Compulsory education is necessary in helping to maintain good government. Some children who nominally go to school attend so irregularly that little, if any, substantial benefit either as to book-learning or acquiring good habits is secured—

this is especially the case in the colored schools. In the best interests of the city all this should be changed. Means should be devised by the authorities by which those who have not attended school for a certain period should be required to enroll their names, and after this is done further means should be employed to make them regular in attendance. Getting this class of children into the schools, requiring them to attend, providing the schools with none but well-qualified teachers and furnishing adequate and healthful accommodations properly equipped will secure a good school system, and no other means will. Kindergartens for children between the ages of three and six should be established in some of the worst sections of the city for the benefit of the children of the most lawless and vicious class of our population. A plan of education such as may be accomplished through compulsory education, kindergartens located in the worst sections, and evening schools, furnishes the most effective, if not the only means, for reclaiming the vicious class which infest the heart of nearly all large communities. Many persons think that the main purpose of the public school system is to give merely intellectual training. This is very important, but by far the most important purpose is training the youth of the land in such habits as will make not only an intellectual, but an industrious, self-supporting and law-abiding citizenship.

DRAWING.

Miss Keach, the Supervisor of Drawing, makes the following statement:

During the past year, in connection with the regular lessons in drawing, we have introduced into the lower grades some lessons in paper-folding and cutting, and some color lessons, and, as the grades advance, as much as possible of the making of various forms out of card-board, the children developing the patterns, and making, not only the forms of the various type-solids, but many useful articles based upon these forms. By this work the ability to use the eye and hand is trained and encouraged and much interest in the study of form is awakened, and already the good effects show in the expressions of such forms given by the children in their drawing. We feel convinced that with greater facilities for form study in the lower grades much good could be accomplished.

The drawing in the grammar grades is principally from the object, representing in outline not only geometric solids, but many simple familiar objects, singly or in groups, and also studying and showing the facts of such forms by the making of simple working-drawings. The drawing from the flat consists only of such lessons as are necessary training for decorative treatment, or as suggestions leading to and encouraging original design.

COLLEGE AND HIGH SCHOOLS.

As stated in my former reports, it is very important that the curriculum of the female high schools should be put upon an equality with that of the college. The high schools should also be provided with additional facilities for laboratory instruction. According to the present arrangement it requires thirteen years for a girl to complete the primary (3 years), grammar (5 years) and high school (4 years) course of study; a boy in going through the primary, grammar and college (5 years) course requires fourteen years. After finishing these courses a girl would be, at least, 18 years, and a boy 19 years of age. When the course

of the primary and grammar schools, a few years ago was extended from six and a-half to eight years, it was agreed that the courses of the college and high schools should be shortened one year. This has never been done. The time required to graduate from the high schools or college should be shortened at least one year, either by dropping a year from the course of these schools, or by shortening the grammar school course one year.

THE SATURDAY NORMAL CLASS.

In former years the rules provided for the maintenance of a normal class conducted on Saturday morning for the instruction of newly appointed teachers in the principles of teaching and in the best methods to be used for giving instruction in the branches taught in the schools. Those receiving appointment as teachers were required to attend this class for a specified time. The instructors were some of our best teachers. That this class did a great deal of good to the school system, by fitting those who attended it for the more efficient performance of their duties, all acquainted with the history and results achieved by it will readily admit. It is recommended that this class be reorganized, and that newly appointed teachers and others who may be designated, be required to attend the class for a fixed period of time. In this connection attention is also called to what has been said in former reports in regard to the necessity of establishing a training school for teachers.

EXAMINATION AND PROMOTION OF PUPILS.

The rule upon this subject is that, "transfers from class to class through the primary and grammar schools shall be made upon the recommendation of the teacher of the class to be promoted, and promotion from the primary to the grammar schools shall be made in like manner, and also from the grammar to the high schools. Any scholars not so promoted who consider themselves qualified may submit to an examination, as is now used for promotion. All promotions shall be upon a probation of six months or a less time in any individual case submitted to the Superintendent or the Assistant Superintendent, and all those who fail to keep fully up with the class shall be returned to the class from which they came. It shall be the duty of the Superintendent and Assistant Superintendent diligently to inquire into the progress and proficiency of the scholars during the probation period, and, to animate the teachers to further the intent and purpose of these resolutions, to turn back any scholar who may not come up fairly to the requirements of the class to which he or she may belong." This plan for promotion has been in operation long enough to give evidence that it is a good one, though, as must be the case with any plan worked by human agencies, in some cases it fails to secure the best results. Pupils promoted to the high schools, the grammar schools, and from grade to grade, on account of inefficiency on the part of the principal or class-teacher,

are, in some cases, found to be unprepared for the work of the class to which they have been promoted. This is not the fault of the plan, but is due to inexperience, or incompetency in some cases, of those who are charged with the duty of estimating the qualifications of their pupils. This defect in the system must be met not by changing the plan, but by improving this class of teachers. The following table exhibits the increase in each year and grade of the pupils taught in the high, grammar and primary departments of the schools during the year:

High Schools—	1893.	1894.	Increase.
Fifth year	18	31	13
Fourth "	184	208	24
Third " and Polytechnic Institute	283	323	40
Second year Polytechnic Institute	479	544	65
First year Polytechnic Institute	811	936	125
Preparatory Department Polytechnic Institute	417	429	12
	2,192	2,471	279
Grammar Schools—			
Eighth grade	1,237	1,343	106
Seventh "	2,152	2,204	52
Sixth "	3,325	3,563	238
Fifth "	5,255	5,360	105
Fourth "	6,630	7,105	475
	18,599	19,575	976

Primary Schools—	1893.	1894.	Increase.
Third grade.....	7,819	8,205	386
Second "	10,317	11,093	776
First "	18,121	18,464	343
	36,257	37,762	1,505
High schools	2,192 (4%)	2,471	279
Grammar "	18,599 (33%)	19,575	976
Primary "	36,257 (63%)	37,762	1,505
	57,048	59,808	2,760

The high school pupils are about 4 per cent. of the enrollment.

The grammar school pupils are about 33 per cent. of the enrollment.

The primary school pupils are about 63 per cent. of the enrollment.

By an examination of this table it will be seen that there has been an increase in each item mentioned, and that the pupils advance from one year of instruction in the course to another in larger numbers and with more uniformity than was the case before this method of making promotions went into operation. One element of strength in a school system is to hold the pupils in schools, continuing from grade to grade, that they may secure the greatest amount of benefit from the schools. This plan of promotion has conduced to this end. Although mistakes have been

made by some of our least efficient principals and teachers in preparing their pupils and in determining their qualifications for promotion, yet the system at large has been benefited by the change, and the schools are doing more for the education of the people's children than they were before this plan went into operation. A serious obstacle in the way of the successful operation of this plan is that, after pupils have failed in June to secure promotion, either by recommendation or examination, they are allowed in some cases to go to another school in September, and enter the grade they failed to be promoted to in June. When a parent complains that his child has not been fairly dealt with in regard to his promotion or examination, the matter should be investigated. In case the child is not qualified for promotion—as will generally be found to be the case, for while it is admitted that some unqualified pupils are promoted, yet it is rarely if ever the case that qualified pupils are refused advancement—the child should not be given a transfer to another school and then be promoted. It is necessary in such cases to vindicate the teacher who has done her duty, for it is obvious that such practices not only interfere with carrying out this plan of promotion, but that their tendency is to break down the discipline of the schools, and to weaken the authority and influence of the teachers. Such practices are discouraging to some of the best teachers, who are faithfully and efficiently endeavoring to carry out the rules of the

Board. In case the child is prepared for promotion, despite his not having been recommended by his teacher, and failure to pass the examination held by the principal, the principal and teacher will be given a very salutary reminder that they are lacking in judgment and ability to perform their duties. Under such circumstances the child will secure his rights and the teacher and principal will receive a deserved rebuke, which will be very beneficial to them. It is recommended that pupils who failed to be promoted in June, and those who are found unqualified after a trial of six months and returned to the grade from which they were promoted, shall not upon going to another school be promoted during the scholastic year without the consent of the Board.

COOKING.

Two plans have been proposed for teaching cooking in the public schools: One, after that followed in Boston and Washington, and the other cities of the country,—by means of cooking-centres, established at convenient points in the city, to which the girls of the seventh and eighth grades of the female grammar schools may go once a week to receive instruction for one hour; the other, by means of a school located in the centre of the city, where the girls may spend all their time, while they receive instruction in cooking, sewing, etc., and also in the elementary branches of an English education. To this central school are to

be added also four other schools, located in the four sections of the city, in which younger girls than those attending the central school may be instructed in the same branches somewhat on the same plan. The first plan would reach all the girls in the city who attend the seventh and eighth grammar grades, and would secure for them the educational advantages which manual training is said to exercise when done so as to supplement literary work. Its effects would be most beneficial in the education of these girls, besides improving the entire public school system. The cooking lessons, it must be understood, are not taught to give the girls a knowledge of cooking alone, though this is a very desirable and important result; for taught as they should be in connection with physiology and lessons in elementary science in the school-room, experience has demonstrated they possess a high educational value, as the instruction they give embraces both the theory and its practical illustration. The study of only what is contained in text-books has been condemned for ages by all the best educational reformers, and the opportunity these lessons afford for the study of things by observation should be seized and utilized in promoting the thoroughness and usefulness of the schools. Learning from the observation and study of things, the combination of theoretical and practical instruction have been urged by all orthodox writers upon education as the best means of stimulating and training the powers of the mind, and

in acquiring knowledge. As the lessons in cooking serve as practice work for what is taught in elementary science and physiology they are of prime importance as a means of mental training. These lessons must of necessity include a study of heat and water and many of their phenomena, the constituents of food, their digestion, the amount of nutriment each kind contains, their suitableness for the sick and for those in health, the economical purchase and use of foods, their adulteration, etc., etc., a study of which in connection with the manual work incident thereto, and to the preparation of various foods, embraces a most fruitful field for the teacher in developing the minds of the girls by means of the study of things, besides giving them a knowledge of cooking and what it embraces, which will be most helpful to a woman in any sphere of life. It is contended that this plan would reach the girls throughout the city more generally than the other plan would, that it would have a potent influence in securing for the girls a better literary education, that it would cause many girls to remain in the schools for a longer period of time, that it is much more economical, and a valuable and desirable method of introducing manual training into the schools for girls. In case it were determined to adopt the plan, which proposes a central school and four others located in the four quarters of the city, what class of girls would attend these schools, and to what end? They would certainly not prepare them to become

teachers or to pursue a higher educational course. If they attended with the view of fitting themselves for employment, the only positions available after finishing this course of instruction would be those of servant girl, cook, or something of the kind. And, however, desirable it may be for girls to be fully trained for such positions, yet no one will claim that it is the province of the public schools to fit pupils to fill such positions. It is not time yet at least for American public schools to fit its young girls for "service." This idea will meet with little support from parents who desire to educate their daughters, while the other plan should meet with their favor as it not only helps to give the girls a better literary education, but at the same time acquaints them with many things that will be most helpful to them in life whatever their fortune or positions may be.

Your attention is called to the accompanying report of the Assistant Superintendent, which gives an account of the condition and needs of the primary schools.

I desire to extend my thanks to the teachers for their hearty co-operation with me in my efforts to improve the schools. Whatever success the schools have attained is due to a very great extent to the teachers, and it gives me pleasure to say that with few exceptions they have been diligent in the discharge of their duties, and that many of them are zealously endeavoring to become better qualified for

the performance of their duties, that they may be able to do more towards promoting the usefulness of the schools.

My thanks are also due to you, gentlemen, and to the officers of the Board for kindness and courtesy.

Respectfully submitted,

HENRY A. WISE.

Tables Accompanying the Superintendent's Report.

TABLE A.

Statement showing the number of male and female teachers, and the number of pupils on roll December, 1894; the average number of pupils on roll during the year; the average attendance for the year; the percentage of attendance for the year, and the number in school during the year.

Schools.	Teachers		Number of Pupils.					
	Males.	Females.	On Roll December, 1894.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During the Year.	In School During the Year, excluding Duplicate Enrollments.
Baltimore City College.....	16	.....	636	561	524	93	840	565
East. Fem. High Sch.....	1	12	448	437	410	93	613	449
West. Fem. High Sch.....	1	13	610	544	521	95	801	534
Totals.....	18	25	1,694	1,542	1,455	94	2,254	1,548
Balto. Polytechnic Insti...	20	.....	543	494	468	95	860	860
Col Man'l Train'g School.	6	.....	98	87	76	88	137	98
Totals.....	26	.....	641	581	544	93	997	958
Male Grammar No. 1.....	2	6	318	309	280	91	453	357
" " " 2.....	2	9	476	438	395	90	616	454
" " " 3.....	2	3	135	124	110	89	187	119
" " " 4.....	2	5	279	246	227	92	384	270
" " " 5.....	1	6	247	228	201	88	347	255
" " " 6.....	2	9	419	420	386	92	598	470
" " " 7.....	2	6	351	314	290	92	482	349
" " " 8.....	2	8	410	373	341	91	581	411
" G. & P. " 9.....	1	4	126	128	97	76	209	195
" Grammar " 10.....	2	7	356	339	314	92	497	375
" " " 11.....	2	5	275	251	233	93	363	258
" " " 12.....	2	7	352	323	300	93	499	339
" " " 13.....	1	4	158	150	140	93	215	162
" " " 15.....	2	10	464	430	392	91	617	475
" " " 16.....	1	8	347	336	295	88	453	449
" " " 17.....	2	5	301	265	242	91	384	276
" " " 18.....	2	4	234	210	190	90	328	233
" " " 19.....	1	9	413	409	370	90	572	454
" " " 20.....	2	11	500	439	391	89	656	473
" " " 21.....	2	8	374	367	335	91	542	407
" " " 22.....	1	6	240	231	202	88	346	261
Totals.....	36	140	6,775	6,330	5,731	91	9,329	7,062

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On Roll December, 1894.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During the Year.	In School During the Year, excluding Duplicate Enrollments.
Female Grammar No. 1	.....	9	359	355	310	87	494	410
" " " 2	.....	12	452	434	374	86	636	472
" " " 3	.....	5	164	145	134	86	213	158
" " " 4	.....	6	253	230	207	90	351	255
" " " 5	.....	7	258	260	226	86	368	298
" " " 6	.....	12	465	473	425	90	663	526
" " " 7	.....	10	381	333	301	90	511	347
" " " 8	.....	11	433	422	362	87	598	480
" G. & P. " 9	.....	5	153	141	113	80	204	197
" Grammar " 10	.....	10	371	369	348	94	545	403
" " " 11	.....	10	374	365	323	89	517	392
" " " 12	.....	8	336	287	257	90	459	301
" " " 13	.....	7	270	251	222	89	359	284
" " " 15	.....	15	588	540	472	87	766	589
" " " 16	.....	9	379	365	294	81	479	474
" " " 17	.....	7	264	247	226	92	382	278
" " " 18	.....	8	332	313	269	86	456	342
" " " 19	.....	12	513	471	408	87	662	518
" " " 20	.....	16	628	575	507	89	826	611
" " " 21	.....	11	430	443	380	88	604	490
Totals	.....	190	7,403	7,019	6,158	88	10,093	7,825
English-German No. 1	3	12	501	483	430	89	663	611
" " " 2	2	26	1,044	1,013	939	93	1,354	1,303
" " " 3	3	34	1,625	1,559	1,431	92	2,072	1,960
" " " 4	3	32	1,410	1,365	1,234	90	1,730	1,655
" " " 5	3	23	1,115	1,035	939	91	1,395	1,296
Totals	14	127	5,695	5,455	4,973	91	7,214	6,825

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On Roll December, 1894.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During the Year.	In School During the Year, excluding Duplicate Enrollments.
Male Primary No. 1	.....	9	302	307	261	85	479	441
" " " 2	.....	6	244	218	193	89	351	338
" " " 3	.....	11	422	373	333	89	590	568
" " " 4	.....	7	263	267	240	90	397	384
" " " 5	.....	12	460	457	389	86	650	600
" " " 6	.....	10	430	408	364	90	571	535
" " " 7	.....	6	222	223	176	79	326	303
" " " 8	.....	5	208	205	162	79	313	283
" " " 10	.....	6	205	212	174	82	338	300
" " " 11	.....	14	592	580	495	85	899	608
" " " 12	.....	9	398	389	327	84	530	505
" " " 13	.....	5	188	178	135	76	267	248
" " " 14	.....	8	351	332	280	85	498	459
" " " 15	.....	10	373	368	317	86	535	505
" " " 16	.....	7	274	268	213	78	408	376
" " " 17	.....	8	293	284	244	86	391	381
" " " 18	.....	6	196	197	176	89	307	281
" " " 19	.....	4	169	157	134	86	256	236
" " " 20	.....	19	785	736	660	90	1,059	993
" " " 21	.....	8	344	333	279	84	516	474
" " " 22	.....	9	324	375	322	86	552	526
" " " 23	.....	9	367	364	316	86	515	489
" " " 24	.....	14	573	546	472	87	733	714
" " " 25	.....	7	265	270	232	86	401	390
" " " 26	.....	7	231	224	198	88	304	290
" " " 27	.....	10	406	390	337	86	540	518
" " " 28	.....	8	302	303	274	90	420	395
" " " 29	.....	5	201	192	171	90	281	269
" " " 30	.....	14	590	594	494	83	889	836
" " " 31	.....	6	191	195	160	83	290	268
" " " 32	.....	8	300	285	249	88	434	305
" " " 33	.....	11	390	409	370	90	569	562
M. & F. " " 34	.....	6	236	233	198	85	262	57
" " " 35	.....	5	189	175	152	87	195	88
Male " " 36	.....	3	104	103	86	84	236	229
" " " 37	.....	5	170	162	123	72	181	36
Totals	.....	297	11,558	11,312	9,706	85	16,483	14,790

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On Roll December, 1894.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During the Year.	In School During the Year, excluding Duplicate Enrollments.
Female Primary No. 1	.....	9	300	315	255	81	467	437
" " " 2	.....	8	283	276	235	85	421	406
" " " 3	.....	9	395	356	275	77	546	522
" " " 4	.....	6	257	239	199	85	361	343
" " " 5	.....	12	462	444	352	80	647	627
" " " 6	.....	10	432	409	352	86	561	534
" " " 7	.....	6	230	238	187	79	351	323
" " " 8	.....	5	227	231	170	73	329	307
" " " 10	.....	6	214	212	174	82	305	283
" " " 11	.....	13	570	533	444	83	804	747
" " " 12	.....	9	375	398	347	87	563	531
" " " 13	.....	5	191	170	138	81	261	239
" " " 14	.....	7	322	308	263	86	459	433
" " " 15	.....	10	339	356	298	83	538	509
" " " 16	.....	6	224	211	168	79	348	333
" " " 17	.....	8	304	308	255	83	435	421
" " " 18	.....	6	234	238	194	82	332	307
" " " 19	.....	3	127	125	113	91	190	179
" " " 20	.....	17	674	627	531	85	918	841
" " " 21	.....	8	316	284	232	82	458	434
" " " 22	.....	9	335	356	296	83	584	540
" " " 23	.....	9	358	351	295	81	513	477
" " " 24	.....	14	608	561	463	83	790	755
" " " 25	.....	6	293	282	226	80	409	397
" " " 26	.....	6	198	211	183	87	295	278
" " " 27	.....	10	400	384	382	86	544	514
" " " 28	.....	8	306	302	274	91	409	392
" " " 29	.....	4	160	155	131	85	237	231
" " " 30	.....	12	531	503	408	81	762	717
" " " 31	.....	6	204	205	170	83	300	282
" " " 32	.....	7	284	267	226	84	413	380
" " " 33	.....	10	349	365	318	87	491	478
" " " 36	.....	3	120	115	92	80	145	32
" " " 37	.....	5	145	181	137	76	364	336
Totals	.....	272	10,767	10,509	8,823	84	15,550	14,565

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On Roll December, 1894.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During the Year.	In School During the Year, excluding Duplicate Enrollments.
High & Gram. Col. No. 1.	2	16	705	603	505	88	917	658
Grammar Colored " 2.	2	4	211	182	152	84	278	197
" " " 3.	1	6	210	230	203	88	376	272
Male Colored No. 1	1	5	234	220	161	73	345	328
" " " 2	1	6	267	275	198	72	358	357
" " " 3	2	8	406	374	337	90	523	513
" " " 4	2	8	445	426	326	77	625	615
" " " 5	1	3	145	121	97	80	179	177
" " " 6	2	4	270	253	198	78	356	353
" " " 7	2	9	413	364	316	87	589	579
" " " 8	1	7	296	263	225	86	396	388
" " " 9	7	5	598	543	452	83	796	782
Female " " 1	.....	10	437	406	316	77	613	589
" " " 2	.....	7	269	267	193	72	375	369
" " " 3	.....	11	453	427	354	83	579	561
" " " 4	.....	10	432	416	320	77	543	533
" " " 5	.....	5	198	177	130	73	253	249
" " " 6	.....	6	278	206	188	73	375	370
" " " 7	.....	16	629	611	482	79	926	908
" " " 8	.....	10	335	318	260	82	458	449
" " " 9	.....	12	622	546	444	81	822	793
Totals	24	168	7,853	7,228	5,857	81	10,682	10,040

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On Roll December, 1894.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During the Year.	In School During the Year, excluding Duplicate Enrollments.
Annex No. 1	.....	7	257	260	210	81	348	342
" " 2	2	18	835	805	687	85	1,089	997
" " 3, Male	1	4	184	167	142	85	255	183
" " 3, Female	.....	6	200	179	149	83	293	200
" " 4	.....	10	421	380	317	84	605	566
" " 5	.....	7	294	304	247	82	429	418
" " 6	1	8	329	299	251	84	459	316
" " 7	1	9	386	411	336	82	577	532
" " 8	1	14	678	619	498	80	932	826
" " 9	1	6	270	271	205	76	360	343
" " 10	1	3	128	117	102	87	162	123
" " 11	1	10	480	465	394	85	634	594
" " 12	4	15	788	754	679	90	983	946
" " 13	.....	19	670	702	552	79	1,075	1,017
" " 14	1	2	96	71	55	78	101	85
" " 15	1	4	149	122	102	84	195	149
" " 16, Male	.....	7	286	268	236	88	408	382
" " 16, Female	.....	7	289	267	230	86	443	407
" " 17	.....	5	186	174	145	83	257	243
" " 1, Colored	.....	4	129	114	85	75	166	166
" " 2, "	1	.....	59	48	37	77	68	57
" " 3, "	.....	3	101	104	70	67	165	164
" " 4, "	2	4	207	191	149	81	319	311
Totals	18	172	7,422	7,092	5,878	82	10,323	9,367

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

NIGHT SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On Roll December, 1894.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During the Year.	In School During the Year, excluding DuplicateEnrollments.
Male Polish	5	.....	101	107	67	62	222	222
Female "	2	1	116	146	61	42	293	293
Bohemian	2	4	133	180	130	72	459	459
No. 1	1	2	63	69	46	66	169	169
" 2	4	2	184	145	85	59	326	326
" 5	1	1	40	62	38	61	116	116
" 8	2	1	73	109	65	60	491	491
" 11	1	3	203	187	79	43	458	458
" 12	3	1	136	76	42	55	276	276
" 17	2	3	185	166	90	54	455	455
Annex No. 7	1	4	157	275	163	59	620	620
Colored " 1	4	3	413	178	86	48	788	788
" " 3	3	3	207	200	117	59	253	253
	31	28	2,011	1,900	1,069	56	4,926	4,926
Polytechnic Institute	10	.....	204	89	68	76	369	369
Totals	41	28	2,215	1,989	1,137	57	5,295	5,295

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—CONCLUDED—RECAPITULATION.

SCHOOLS.	Number of Schools, December, 1894.	NUMBER OF TEACHERS.				NUMBER OF PUPILS.					
		Males, December, 1894.	Females, December, 1894.	Totals, December, 1894.	Average for the Year.	On Roll December, 1894.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During the Year.	In School during the Year, excluding Duplicate Enrollments.
Baltimore City College	1	16	.....	16	16	636	561	524	93	840	565
Eastern Female High School	1	1	12	13	13	448	437	410	93	613	449
Western Female High School	1	1	13	14	14	610	544	521	95	801	534
Polytechnic Institute	1	20	.....	20	17	543	494	468	95	860	860
Colored Manual Training School	1	6	.....	6	6	98	87	76	88	137	98
Male Grammar Schools	21	36	140	176	170	6,775	6,330	5,731	91	9,329	7,062
Female Grammar Schools	20	.....	190	190	183	7,403	7,019	6,158	88	10,093	7,825
English-German Schools	5	14	127	141	137	5,695	5,455	4,973	91	7,214	6,825
Male Primary Schools	36	.....	297	297	288	11,558	11,312	9,706	85	16,483	14,790
Female Primary Schools	34	.....	272	272	268	10,767	10,509	8,823	84	15,550	14,565
Colored Schools	21	24	168	192	186	7,853	7,228	5,857	81	10,682	10,040
Annex Schools	23	18	172	190	177	7,422	7,092	5,878	82	10,323	9,367
	165	136	1,391	1,527	1,475	59,808	57,068	49,125	86	82,925	72,980
Special Teachers: Music	.....	2	.....	2	2	.....	.....	.....	.....	.....	.....
Special Teachers: Drawing	.....	.....	13	13	13	.....	.....	.....	.....	.....	.....
Special Teachers: Sewing	.....	.....	15	15	15	.....	.....	.....	.....	.....	.....
Day Schools	165	138	1,419	1,557	1,505	59,808	57,068	49,125	86	82,925	72,980
Night Schools	13	31	28	.....	.....	2,011	1,900	1,069	56	4,926	4,926
Polytechnic Night Classes	1	10	.....	.....	.....	204	89	68	76	369	369
Night Schools	14	41	28	.....	.....	2,215	1,989	1,137	57	5,295	5,295

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE B.

DIFFERENT GRADES OF SCHOOLS COMPARED.

Number of pupils in B. C. C. and High Schools,	1894	1,694	
" " " "	1893	1,515	
Increase			179
Number of pupils in Polytechnic Institute,	1894	641	
" " "	1893	573	
Increase			68
Number of pupils in Grammar Schools,	1894	14,178	
" " "	1893	13,439	
Increase			739
Number of pupils in English-German Schools,	1894	5,695	
" " " "	1893	5,493	
Increase			202
Number of pupils in Primary Schools,	1894	22,325	
" " "	1893	21,341	
Increase			984
Number of pupils in Colored Schools,	1894	7,853	
" " "	1893	7,539	
Increase			314
Number of pupils in Annex Schools,	1894	7,422	
" " "	1893	7,148	
Increase			274
Total increase			2,760

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE C.

Showing the Number of Pupils and Teachers in the Public Schools on roll at the time of making the report each year, from the year 1829, when the first Public School was opened, to the year 1894, inclusive.

This Statement Does Not Include Night Schools, Normal Classes, nor Floating Schools.

The Figures for 1888, and Subsequently, Include the Annex Schools.

Date.	Teachers.	Pupils.	Date.	Teachers.	Pupils.
1829	3	269	1862	311	13,888
1830	5	402	1863	333	14,847
1831	5	627	1864	343	15,319
1832	5	640	1865	366	15,957
1833	5	544	1866	402	17,550
1834	8	859	1867	490	22,073
1835	8	747	1868	537	21,903
1836	8	814	1869	540	23,552
1837	8	659	1870	549	23,898
1838	8	675	1871	559	24,479
1839	16	1,126	1872	581	25,092
1840	22	1,834	1873	588	26,663
1841	27	2,331	1874	626	27,634
1842	28	2,464	1875	672	29,942
1843	30	2,669	1876	717	31,071
1844	38	3,366	1877	734	32,523
1845	52	4,313	1878	784	34,002
1846	65	5,087	1879	798	35,595
1847	90	6,439	1880	799	35,297
1848	100	6,696	1881	824	35,630
1849	110	6,763	1882	826	35,639
1850	119	7,093	1883	855	37,546
1851	138	8,011	1884	893	38,618
1852	175	9,081	1885	930	39,828
1853	186	9,447	1886	972	39,779
1854	207	9,717	1887	994	41,199
1855	217	10,588	1888	1,119	46,521
1856	238	11,441	1889	1,187	48,850
1857	245	11,269	1890	1,244	50,899
1858	256	11,587	1891	1,301	52,543
1859	267	11,750	1892	1,382	54,406
1860	284	13,186	1893	1,464	57,048
1861	295	13,424	1894	1,557	59,808

TABLE ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																Totals
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	
Baltimore City College									22	91	161	181	100	55	20	6	636
Eastern Fem. High Sch.									5	34	103	113	110	59	21	3	448
Western Fem. High Sch.									7	52	143	182	127	74	24	1	610
Totals									34	177	407	476	337	188	65	10	1,694
Balto. Polytechnic Inst								16	93	158	115	109	41	9	2		543
Col'd Man'l Train'g Sch.									8	22	18	25	6	10	6	3	98
Totals								16	101	180	133	134	47	19	8	3	641
Male Grammar No. 1					12	29	46	84	66	43	25	10	2	1			318
" " " 2				4	17	74	94	107	93	62	20	4	1				476
" " " 3				1	5	17	24	41	33	12	2						135
" " " 4				2	26	34	51	59	55	33	10	8	1				279
" " " 5					14	32	42	46	55	33	20	4	1				247
" " " 6				1	22	48	65	87	82	58	36	16	4				419
" " " 7					23	47	68	91	53	49	13	6	1				351
" " " 8				3	19	46	88	83	86	55	17	11	1	1			410
" G. & P. " 9		9	8	15	10	18	15	17	15	9	5	3	1	1			126
" Grammar " 10				1	11	32	81	83	73	54	15	6					356
" " " 11				3	11	33	52	51	67	44	12	2					275
" " " 12				1	15	52	79	92	61	32	13	5	2				352
" " " 13					4	20	36	30	30	23	11	4					158
" " " 15				2	26	62	77	93	97	62	28	16	1				464
" " " 16	5	53	39	46	35	48	41	33	25	12	7	3					347
" " " 17				14	21	35	60	56	67	30	14	4					301
" " " 18				1	12	22	47	43	58	28	16	7					234
" " " 19				4	18	54	66	94	86	61	21	9					413
" " " 20				1	14	79	85	108	108	72	22	11					500
" " " 21				8	40	66	92	80	59	19	8	2					374
" " " 22				1	7	29	31	43	56	40	29	4					240
Totals	5	62	47	108	362	877	1,240	1,421	1,325	831	344	135	15	3			6,775

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.—TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															Totals.
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	
Female Grammar No. 1.	.....	.....	.....	.....	8	30	47	73	78	72	37	14	....	.....	.....	.....	359
" " " 2.	.....	.....	.....	.....	14	61	109	108	80	56	20	4	.....	.....	.....	.....	452
" " " 3.	.....	.....	.....	1	9	23	28	46	34	17	5	1	.....	.....	.....	.....	164
" " " 4.	.....	.....	.....	.....	9	55	43	54	47	33	9	3	.....	.....	.....	.....	253
" " " 5.	.....	.....	.....	.....	10	25	41	59	67	32	21	3	.....	.....	.....	.....	258
" " " 6.	.....	.....	.....	3	11	53	69	90	84	87	47	18	3	.....	.....	.....	465
" " " 7.	.....	.....	.....	.....	13	60	99	71	65	52	14	7	.....	.....	.....	.....	381
" " " 8.	.....	.....	.....	2	15	54	81	113	66	59	32	8	3	.....	.....	.....	433
" G. & P. " 9.	2	18	9	14	26	15	17	19	15	12	5	1	.....	.....	.....	.....	153
" Grammar " 10.	.....	.....	.....	1	7	44	86	93	69	46	20	2	3	.....	.....	.....	371
" " " 11.	.....	.....	.....	.....	23	61	81	85	67	40	14	3	.....	.....	.....	.....	374
" " " 12.	.....	.....	.....	.....	10	50	77	89	64	34	12	.....	.....	.....	.....	.....	336
" " " 13.	.....	.....	.....	3	8	37	43	63	43	50	21	2	.....	....	.....	.....	270
" " " 15.	.....	.....	.....	1	23	70	86	116	112	110	48	20	2	.....	.....	.....	588
" " " 16.	10	36	46	66	55	48	43	31	27	12	5	.....	.....	.....	.....	.....	379
" " " 17.	.....	.....	.....	5	28	41	53	49	43	27	13	5	.....	.....	.....	.....	264
" " " 18.	.....	.....	.....	.....	13	31	61	54	67	51	31	21	3	.....	.....	.....	332
" " " 19.	.....	.....	.....	.....	7	43	92	113	98	84	53	23	.....	.....	.....	.....	513
" " " 20.	.....	.....	.....	3	26	82	96	138	131	88	43	19	1	.....	.....	1	628
" " " 21.	.....	.....	.....	1	5	27	67	98	75	89	51	12	3	2	.....	.....	430
Totals.	12	54	55	100	320	910	1319	1562	1332	1051	501	166	18	2	.....	1	7403
English-German No. 1...	.....	39	48	71	53	66	64	59	49	39	7	5	1	.....	.....	.....	501
" " " 2...	12	109	141	141	153	151	125	110	62	33	6	.....	1	.....	.....	.....	1044
" " " 3...	19	166	210	217	231	227	203	153	112	57	26	2	2	.....	.....	.....	1625
" " " 4...	12	152	171	189	196	202	186	149	106	36	10	1	.....	.....	.....	.....	1410
" " " 5...	8	121	154	156	142	152	117	128	78	47	11	1	.....	.....	.....	.....	1115
Totals.	51	587	724	774	775	798	695	599	407	212	60	9	4	.....	.....	.....	5695

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF														Totals
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	
Male Primary No. 1	7	36	47	61	64	39	29	12	5	2							302
" " " 2	1	31	39	40	46	39	27	14	6	1							244
" " " 3	3	54	57	76	81	68	43	28	10	2							422
" " " 4	26	51	65	46	43	21	5	2	2	2							263
" " " 5	5	56	112	73	81	58	45	20	10								460
" " " 6		95	76	96	87	38	21	10	4	1	2						430
" " " 7	13	27	41	38	49	28	15	10	1								222
" " " 8	7	40	38	32	26	31	16	13	2	2		1					208
" " " 10	3	22	33	21	50	32	26	15	3								205
" " " 11	11	82	128	113	109	68	44	22	10	2	3						592
" " " 12	7	67	73	83	71	44	27	16	8	1		1					398
" " " 13	4	25	31	29	35	31	21	8	4								188
" " " 14	14	60	56	78	68	43	20	9	2	1							351
" " " 15	10	41	63	78	72	56	31	10	5	7							373
" " " 16	10	39	46	43	48	39	30	11	4	4							274
" " " 17		37	49	53	56	39	30	17	10		2						293
" " " 18	7	25	30	46	37	29	13	7		1	1						196
" " " 19	3	10	34	37	33	21	16	9	6								169
" " " 20	25	129	145	131	129	99	57	43	19	8							785
" " " 21	10	46	56	60	47	49	40	19	12	5							344
" " " 22	7	53	57	47	65	36	24	20	11	4							324
" " " 23	1	50	67	75	68	67	23	8	5	3							367
" " " 24	17	80	102	114	106	67	42	32	11	2							573
" " " 25	19	29	35	59	48	41	10	16	6	2							265
" " " 26	5	40	55	50	27	28	15	3	6	1		1					231
" " " 27	22	81	94	86	68	34	18	3									406
" " " 28	10	39	61	56	52	30	23	17	11	3							302
" " " 29	14	25	38	38	29	32	11	10	4								201
" " " 30	4	67	106	118	114	81	48	27	25								590
" " " 31	5	20	39	39	34	20	19	11	4								191
" " " 32	9	56	50	53	60	35	22	10	4	1							300
" " " 33	13	56	63	67	59	68	33	22	4	4	1						390
M. & F. " " 34	9	37	43	43	38	26	11	20	8	1							236
" " " 35	5	52	24	20	18	20	26	18	4	2							189
Male " " 36	7	16	22	15	18	8	7	5	4	2							104
" " " 37	14	37	19	26	22	30	9	8	2	3							170
Totals	327	1711	2094	2140	2058	1495	897	525	232	67	9	3					11558

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															Totals
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	
Female Primary No. 1...	2	32	45	58	61	57	24	15	5	1	.....	.....	.....	.....	.....	.....	300
" " 2...	4	72	58	41	40	31	18	13	5	1	.....	.....	.....	.....	.....	.....	283
" " 3...	18	78	76	85	52	45	21	11	3	6	.....	.....	.....	.....	.....	.....	395
" " 4...	7	50	46	58	34	36	13	12	1	.....	.....	.....	.....	.....	.....	.....	257
" " 5...	16	66	84	96	66	59	45	22	7	1	.....	.....	.....	.....	.....	.....	462
" " 6...	5	83	74	101	75	51	26	15	2	.....	.....	.....	.....	.....	.....	.....	432
" " 7...	18	21	43	36	63	24	13	9	3	.....	.....	.....	.....	.....	.....	.....	230
" " 8...	7	34	39	56	36	31	15	6	3	.....	.....	.....	.....	.....	.....	.....	227
" " 10...	4	36	35	33	35	31	16	19	5	.....	.....	.....	.....	.....	.....	.....	214
" " 11...	14	106	163	119	93	44	22	4	4	1	.....	.....	.....	.....	.....	.....	570
" " 12...	.....	45	72	87	80	52	23	12	3	1	.....	.....	.....	.....	.....	.....	375
" " 13...	6	26	30	32	33	28	22	11	2	1	.....	.....	.....	.....	.....	.....	191
" " 14...	4	40	74	70	72	42	15	2	1	2	.....	.....	.....	.....	.....	.....	322
" " 15...	6	54	61	63	71	51	22	7	1	2	.....	1	.....	.....	.....	.....	339
" " 16...	5	35	51	38	40	28	19	5	3	.....	.....	.....	.....	.....	.....	.....	224
" " 17...	10	53	53	54	57	42	19	11	5	.....	.....	.....	.....	.....	.....	.....	304
" " 18...	10	26	47	48	52	30	15	4	2	.....	.....	.....	.....	.....	.....	.....	234
" " 19...	6	11	21	23	35	13	9	6	2	1	.....	.....	.....	.....	.....	.....	127
" " 20...	8	95	151	139	126	76	47	15	8	6	3	.....	.....	.....	.....	.....	674
" " 21...	1	40	60	53	59	53	26	15	8	.....	1	.....	.....	.....	.....	.....	316
" " 22...	11	36	59	67	72	48	21	15	6	.....	.....	.....	.....	.....	.....	.....	335
" " 23...	26	55	78	60	53	39	28	13	6	.....	.....	.....	.....	.....	.....	.....	358
" " 24...	26	83	105	102	125	74	56	29	8	.....	.....	.....	.....	.....	.....	.....	608
" " 25...	10	48	41	55	47	60	32	...	.....	.....	.....	.....	.....	.....	.....	.....	293
" " 26...	2	21	52	40	33	36	8	3	2	1	.....	.....	.....	.....	.....	.....	198
" " 27...	4	75	57	94	63	62	25	13	3	3	1	.....	.....	.....	.....	.....	400
" " 28...	18	38	53	60	39	47	31	14	5	1	.....	.....	.....	.....	.....	.....	306
" " 29...	12	24	35	28	17	25	13	6	.....	.....	.....	.....	.....	.....	.....	.....	160
" " 30...	8	86	89	116	105	68	35	20	2	2	.....	.....	.....	.....	.....	.....	531
" " 31...	5	26	36	51	29	19	17	13	5	3	.....	.....	.....	.....	.....	.....	204
" " 32...	3	51	55	67	57	26	11	10	2	2	.....	.....	.....	.....	.....	.....	284
" " 33...	2	32	70	82	64	48	29	17	5	.....	.....	.....	.....	.....	.....	.....	349
" " 36...	7	14	21	27	17	15	7	7	4	.....	1	.....	.....	.....	.....	.....	120
" " 37...	16	41	29	24	12	16	2	5	.....	.....	.....	.....	.....	.....	.....	.....	145
Totals	301	1633	2063	2163	1913	1407	745	379	121	35	6	1	.....	.....	.....	.....	10767

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															Totals
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	
H. and G. Col'd No. 1....	.....	.....	.....	.....	.....	15	27	87	98	153	120	86	60	32	18	9	705
Grammar " " 2....	.....	.....	.....	.....	.....	1	15	30	39	53	50	17	6	.....	.....	.....	211
" " " 3....	.....	.....	.....	.....	.....	.....	10	16	49	54	47	27	5	2	.....	.....	210
Male Colored " 1....	.....	8	18	30	25	29	26	38	34	16	7	3	.....	.....	.....	.....	234
" " 2....	.....	12	32	26	37	51	34	32	16	18	8	1	.....	.....	.....	.....	267
" " 3....	.....	31	43	55	67	67	47	39	39	13	3	1	1	.....	.....	.....	406
" " 4....	.....	33	55	73	51	63	55	53	38	21	3	.....	.....	.....	.....	.....	445
" " 5....	3	20	12	15	22	20	19	17	10	4	3	.....	.....	.....	.....	.....	145
" " 6....	.....	17	33	34	34	44	35	28	23	13	8	1	.....	.....	.....	.....	270
" " 7....	5	34	69	54	54	51	50	30	35	23	5	1	2	.....	.....	.....	413
" " 8....	1	23	29	54	38	41	31	41	23	9	5	1	.....	.....	.....	.....	296
" " 9....	10	31	55	74	71	92	65	76	54	42	23	5	.....	.....	.....	.....	598
Female Colored " 1....	1	20	23	43	47	54	43	67	52	46	31	9	1	.....	.....	.....	437
" " 2....	.....	23	24	34	36	47	32	32	21	14	3	3	.....	.....	.....	.....	269
" " 3....	.....	32	56	46	75	54	74	61	36	16	2	1	.....	.....	.....	.....	453
" " 4....	1	34	52	62	65	73	47	37	26	21	12	1	1	.....	.....	.....	432
" " 5....	4	17	17	39	27	30	19	25	11	7	1	1	.....	.....	.....	.....	198
" " 6....	.....	24	40	28	59	29	38	27	17	12	3	.....	.....	1	.....	.....	278
" " 7....	2	55	73	76	88	89	85	62	56	29	11	2	1	.....	.....	.....	629
" " 8....	10	35	33	44	54	53	36	45	14	6	5	.....	.....	.....	.....	.....	335
" " 9....	4	41	71	108	84	74	69	75	53	26	12	5	.....	.....	.....	.....	622
Totals.....	41	490	735	895	934	977	857	918	744	596	362	165	77	35	18	9	7,853

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															Totals
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	
Annex No. 1	.....	43	32	32	35	35	28	26	20	2	4	.....	.....	.....	.....	.....	257
" " 2	9	68	73	108	92	95	105	91	71	83	24	13	3	.....	.....	.....	835
" " 3, Male	.....	.....	.....	.....	3	16	30	38	31	38	21	7	.....	.....	.....	.....	184
" " 3, Female	.....	.....	.....	.....	3	25	41	37	20	43	18	11	2	.....	.....	.....	200
" " 4	13	57	79	77	77	47	40	23	6	2	.....	.....	.....	.....	.....	.....	421
" " 5	18	47	63	57	46	34	14	10	4	1	.....	.....	.....	.....	.....	.....	294
" " 6	.....	.....	.....	4	28	54	81	73	39	33	10	6	1	.....	.....	.....	329
" " 7	.....	32	36	56	54	48	52	39	31	19	8	7	3	1	.....	.....	386
" " 8	11	70	60	87	93	89	86	65	48	41	20	6	2	.....	.....	.....	678
" " 9	1	26	32	31	22	42	30	32	22	22	6	3	1	.....	.....	.....	270
" " 10	.....	.....	.....	.....	3	15	19	31	31	16	10	3	.....	.....	.....	.....	128
" " 11	12	42	55	51	69	66	55	45	34	22	28	1	.....	.....	.....	.....	480
" " 12	6	107	123	121	131	86	73	79	41	18	2	1	.....	.....	.....	.....	788
" " 13	4	76	97	101	94	92	67	56	49	22	9	2	1	.....	.....	.....	670
" " 14	.....	13	7	11	8	10	6	10	15	14	.....	2	.....	.....	.....	.....	96
" " 15	.....	12	20	18	18	15	16	13	19	11	5	2	.....	.....	.....	.....	149
" " 16, Male	1	40	58	75	55	29	15	10	3	.....	.....	.....	.....	.....	.....	.....	286
" " 16, Female	7	37	60	61	58	32	25	4	5	.....	.....	.....	.....	.....	.....	.....	289
" " 17	3	32	39	36	38	14	10	8	6	.....	.....	.....	.....	.....	.....	.....	186
" " 1, Colored	15	14	14	14	12	18	16	11	8	3	4	.....	.....	.....	.....	.....	129
" " 2, "	.....	8	9	5	8	9	6	4	4	1	4	.....	1	.....	.....	.....	59
" " 3, "	2	4	8	12	16	10	10	16	8	8	4	3	.....	.....	.....	.....	101
" " 4, "	11	18	31	21	22	31	19	21	16	12	5	.....	.....	.....	.....	.....	207
Totals	113	746	896	978	985	912	844	742	531	411	182	67	14	1	.....	.....	7,422

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D—Continued.

RECAPITULATION.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																Totals.
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	
College and High	.....	.....	.....	.....	.....	.....	.....	.....	34	177	407	476	337	188	65	10	1694
Polytechnic and Colored Manual Training	.....	.....	.....	.....	.....	.....	.....	16	101	180	133	134	47	19	8	3	641
Male Grammar	5	62	47	108	362	877	1240	1421	1325	831	344	135	15	3	.....	.....	6775
Female Grammar	12	54	55	100	320	910	1319	1562	1332	1051	501	166	18	2	.....	1	7403
English-German	51	587	724	774	775	798	695	599	407	212	60	9	4	.....	.....	.....	5695
Male Primary	327	1711	2094	2140	2058	1495	897	525	232	67	9	3	.....	.....	.....	.....	11558
Female Primary	301	1633	2063	2163	1913	1407	745	379	121	35	6	1	.....	.....	.....	.....	10767
Colored	41	490	735	895	934	977	857	918	744	596	362	165	77	35	18	9	7853
Annex	113	746	896	978	985	912	844	742	531	411	182	67	14	1	.....	.....	7422
Totals	850	5283	6614	7158	7347	7376	6597	6162	4827	3560	2004	1156	512	248	91	23	59,808

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E.

Statement Showing the Number of Pupils in Each Grade.

SCHOOLS. COLLEGE, HIGH AND POLYTECHNIC.	Fifth Year.	Fourth Year.		Third Year.		Second Year.		First Year.		Preparatory.	Totals.	
	Males.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Males.	Females.
Baltimore City College	31	55		91		167		292			636	
Eastern Female High			65		110		106		167			448
Western Female High			75		73		183		279			610
Polytechnic				19		49		116		359	543	
Colored Manual Training				6		7		15		70	98	
*High and Grammar Colored No. 1		2	11	7	17	7	25	20	47		36	100
Totals	31	57	151	123	200	230	314	443	493	429	1,313	1,158

*See also "Mixed Schools."

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

GRAMMAR SCHOOLS.	Eighth Grade.	Seventh Grade.	Sixth Grade.	Fifth Grade.	Fourth Grade.	Totals.
Male No. 1	26	60	69	76	87	318
" 2	25	56	110	137	148	476
" 3	2	9	23	34	67	135
" 4	21	40	48	57	113	279
" 5	22	32	36	61	96	247
" 6	41	71	71	93	143	419
" 7	8	28	49	115	151	351
" 8	27	43	76	123	141	410
" 10	26	26	67	96	141	356
" 11	18	29	52	76	100	275
" 12	12	19	64	100	157	352
" 13	10	31	33	32	52	158
" 15	37	56	92	111	168	464
" 17	11	34	57	73	126	301
" 18	9	34	43	61	87	234
" 19	47	59	103	99	105	413
" 20	40	56	97	133	174	500
" 21	24	54	61	95	140	374
Totals	406	737	1,151	1,572	2,196	6,062
Female No. 1	35	36	82	99	107	359
" 2	27	53	70	127	175	452
" 3	17	14	22	53	58	164
" 4	15	25	42	66	105	253
" 5	26	38	50	69	75	258
" 6	55	69	107	130	104	465
" 7	19	37	53	101	171	381
" 8	40	47	84	130	132	433
" 10	19	37	56	98	161	371
" 11	18	37	76	113	130	374
" 12	14	18	48	88	168	336
" 13	21	22	79	54	84	270
" 15	41	103	138	132	174	588
" 17	11	22	50	74	107	264
" 18	29	42	83	89	89	332
" 19	82	85	104	122	120	513
" 20	72	87	125	163	181	628
" 21	45	72	83	115	115	430
Totals	586	854	1,352	1,823	2,256	6,871

Nos. 9, 16 and 22 included under "Mixed Schools."

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

PRIMARY SCHOOLS.	Third Grade.	Second Grade.	First Grade.	Totals.	PRIMARY SCHOOLS.	Third Grade.	Second Grade.	First Grade.	Totals.
Male No. 1.....	92	95	115	302	Female No. 1...	88	113	99	300
" 2.....	33	61	150	244	" 2...	35	33	215	283
" 3.....	71	114	237	422	" 3...	62	92	241	395
" 4.....	60	86	117	263	" 4...	53	77	127	257
" 5.....	124	122	214	460	" 5...	116	140	206	462
" 6.....	97	134	199	430	" 6...	82	118	232	432
" 7.....	32	81	109	222	" 7...	54	70	106	230
" 8.....	42	40	126	208	" 8...	57	76	94	227
" 10.....	45	70	90	205	" 10...	43	78	93	214
" 11.....	131	190	271	592	" 11...	118	184	268	570
" 12.....	84	109	205	398	" 12...	106	92	177	375
" 13.....	30	42	116	188	" 13...	36	51	104	191
" 14.....	104	106	141	351	" 14...	100	85	137	322
" 15.....	98	132	143	373	" 15...	94	131	114	339
" 16.....	69	66	139	274	" 16...	57	66	101	224
" 17.....	75	104	114	293	" 17...	65	81	158	304
" 18.....	63	59	74	196	" 18...	61	80	93	234
" 19.....	44	76	49	169	" 19...	30	53	44	127
" 20.....	141	207	437	785	" 20...	175	189	310	674
" 21.....	76	108	160	344	" 21...	56	74	186	316
" 22.....	78	84	162	324	" 22...	58	90	187	335
" 23.....	75	119	173	367	" 23...	92	88	178	358
" 24.....	86	154	333	573	" 24...	123	193	292	608
" 25.....	32	57	176	265	" 25...	65	97	131	293
" 26.....	52	66	113	231	" 26...	51	62	85	198
" 27.....	74	97	235	406	" 27...	88	103	209	400
" 28.....	55	89	158	302	" 28...	54	93	159	306
" 29.....	35	67	99	201	" 29...	28	39	93	160
" 30.....	147	188	255	590	" 30...	135	174	222	531
" 31.....	57	55	79	191	" 31...	47	52	105	204
" 32.....	86	96	118	300	" 32...	74	93	117	284
" 33.....	61	141	188	390	" 33...	60	116	173	349
" 36.....	30	34	40	104	" 36...	26	33	61	120
" 37.....	26	41	103	170	" 37...	13	27	105	145
Totals.....	2405	3290	5438	11133	Totals.....	2402	3143	5222	10767

Nos. 34 and 35 included under "Mixed Schools."

MIXED SCHOOLS.	8th grade		7th grade		6th grade		5th grade		4th grade		3d grade		2d grade		1st grade		Totals.	
	Males	Fem.	Males	Fem.	Males	Fem.	Males	Fem.	Males	Fem.	Males	Fem.	Males	Fem.	Males	Fem.	Males	Fem.
Male Gram. & Prim. No. 9	4		7		13		10		19		32		16		25		126	
Fem. " " " 9		5		9		18		19		23		22		17		40		153
Male Grammar No. 16			7		9		22		36		50		96		127		347	
Female " " 16				5		9		14		42		57		138		114		379
Grammar " 22	12	10	15	16	17	19	46	36	39	30							129	111
English-German " 1	3	13	12	9	15	22	26	28	36	37	48	40	43	45	59	65	242	259
" " 2	7	5	11	11	23	10	38	35	53	63	110	92	96	99	219	172	557	487
" " 3	10	10	19	19	47	49	84	74	117	98	136	128	171	157	288	218	872	753
" " 4	10	3	25	25	41	37	74	73	101	94	137	121	157	133	207	172	752	658
" " 5	10	16	23	28	39	32	62	59	73	75	80	89	115	104	162	148	564	551
M. & F. Primary No. 34											17	18	29	36	65	71	111	125
M. & F. " " 35											31	25	11	6	67	49	109	80
High and Gram. Colored No. 1	6	33	15	58	43	99	133	182									197	372
Grammar Colored No. 2	9	10	2	25	17	42	44	62									72	139
" " 3	3	12	4	24	24	35	56	52									87	123
Male Colored No. 1									34		56		51		93		234	
" " 2									43		52		70		102		267	
" " 3									39		82		88		197		406	
" " 4									61		104		116		164		445	
" " 5									15		23		34		73		145	
" " 6									33		58		77		102		270	
" " 7									13		51		109		240		413	
" " 8									46		47		70		133		296	
" " 9									42		82		147		327		598	
Fem. Colored " 1										92		76		102		167		437
" " 2										29		37		55		148		269
" " 3										53		66		101		233		453
" " 4										48		66		115		203		432
" " 5										23		28		54		93		198
" " 6										25		33		38		182		278
" " 7										55		112		148		314		629
" " 8										34		51		71		179		335
" " 9										44		95		185		298		622
Totals, Males	74		140		288		595		800		1196		1496		2650		7239	
" Females		117		229		372		634		865		1156		1604		2866		7843

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT—TABLE E—Continued.

ANNEX SCHOOLS.	8th grade		7th grade		6th grade		5th grade		4th grade		3d grade		2d grade		1st grade		TOTALS.	
	Males	Fem.	Males	Fem.	Males	Fem.	Males	Fem.	Males	Fem.	Males	Fem.	Males	Fem.	Males	Fem.	Males.	Fem.
Annex School No. 1.....	.....	.....	.....	.....	6	7	10	21	13	20	16	16	41	23	38	52	118	139
" " 2.....	12	22	25	28	29	28	50	61	69	78	63	53	79	69	73	96	400	435
" " 3 Male...	17	.....	23	.....	43	.....	45	.....	56	.....	.....	.....	.....	.....	.....	.....	184	.....
" " 3 Fem...	.....	16	.....	22	.....	35	.....	47	.....	80	.....	.....	.....	.....	.....	.....	.....	200
" " 4.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47	57	75	74	95	73	217	204
" " 5.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27	40	42	38	89	58	158	136
" " 6.....	7	7	9	7	19	26	46	61	63	84	.....	.....	.....	.....	.....	.....	144	185
" " 7.....	4	10	8	9	14	15	19	27	23	23	30	23	44	34	54	49	196	190
" " 8.....	7	10	8	17	10	21	36	32	50	38	67	53	76	78	82	93	336	342
" " 9.....	1	4	3	5	11	11	18	19	16	18	24	18	30	17	41	34	144	126
" " 10.....	4	6	10	5	13	13	17	20	24	16	.....	.....	.....	.....	.....	.....	68	60
" " 11.....	7	10	9	9	6	18	35	27	39	28	40	23	42	45	59	83	237	243
" " 12.....	4	1	6	5	14	8	29	24	44	46	68	57	82	70	178	152	425	363
" " 13.....	.....	.....	10	11	13	14	28	21	45	31	55	47	106	97	94	98	351	319
" " 14.....	1	2	4	3	4	6	4	7	9	6	3	6	8	3	16	14	49	47
" " 15.....	6	2	1	6	10	6	10	2	12	7	8	11	19	13	18	18	84	65
" " 16 Male..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51	.....	97	.....	138	.....	286	.....
" " 16 Fem...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71	.....	83	.....	135	.....	289
" " 17.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	16	19	30	55	46	94	92
" " 1 Col'd.	.....	.....	.....	.....	.....	.....	3	4	7	5	7	4	15	13	43	28	75	54
" " 2 "	.....	.....	.....	.....	.....	.....	.....	.....	2	1	3	2	5	7	22	17	32	27
" " 3 "	.....	.....	.....	.....	.....	.....	1	.....	10	10	7	6	21	8	24	14	63	38
" " 4 "	.....	.....	.....	1	....	.....	3	9	10	5	5	8	33	24	56	53	107	100
Totals, Males.....	70	.....	116	.....	192	.....	354	.....	492	.....	535	.....	834	.....	1175	.....	3768	.....
" Females	.....	90	.....	128	.....	208	.....	382	.....	496	.....	511	.....	726	.....	1113	.....	3654
In M. G. Schools.....	406	.....	737	.....	1151	.....	1572	.....	2196	.....	.....	.....	....	.....	.....	.....	6062	.....
" F. G. "	.....	586	.....	854	.....	1352	.....	1823	.....	2256	.....	.....	.....	.....	.....	.....	.....	6871
" M. P. "	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2405	.....	3290	.....	5438	.....	11133	.....
" F. P. "	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2402	.....	3143	.....	5222	.....	10767
" Mixed "	74	117	140	229	288	372	595	634	800	865	1196	1156	1496	1604	2650	2866	7239	7843
Totals, Males.....	550	.....	993	.....	1631	.....	2521	.....	3488	.....	4136	.....	5620	.....	9263	.....	28202	.....
" Females.....	.....	793	.....	1211	.....	1932	.....	2839	.....	3617	.....	4069	.....	5473	.....	9201	.....	29135

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

RECAPITULATION.

	Male.	Fem.	Totals
Number in Fifth year, High	31		31
" Fourth year, High	57	151	208
" Third year, High and Polytechnic	123	200	323
" Second year, High and Polytechnic	230	314	544
" First year, High and Polytechnic	443	493	936
" Preparatory department, Polytechnic	429		429
Totals	1,313	1,158	2,471
Number in Grammar, Eighth Grade	550	793	1,343
" " Seventh Grade	993	1,211	2,204
" " Sixth Grade	1,631	1,932	3,563
" " Fifth Grade	2,521	2,839	5,360
" " Fourth Grade	3,488	3,617	7,105
Totals	9,183	10,392	19,575
Number in Primary, Third Grade	4,136	4,069	8,205
" " Second Grade	5,620	5,473	11,093
" " First Grade	9,263	9,201	18,464
Totals	19,019	18,743	37,762
Number in High	1,313	1,158	2,471
" Grammar	9,183	10,392	19,575
" Primary	19,019	18,743	37,762
Aggregate	29,515	30,293	59,808

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE F.

PROMOTIONS TO FOURTH GRADE.

PRIMARY SCHOOLS.	Number on roll June 1, 1894.	Number recom'n'd June, 1894.	No. not recom'nd but examined.	Number passed.	Number promoted.
Male No. 1...	78	71	4	...	71
" 2...	24	22	.....	...	22
" 3...	65	55	9	3	58
" 4...	56	47	8	3	50
" 5...	85	64	15	...	64
" 6...	65	58	.....	...	58
" 7...	30	29	.....	...	29
" 8...	49	43	1	...	43
" 10...	48	45	.....	...	45
" 11...	126	110	6	...	110
" 12...	77	70	1	...	70
" 13...	26	23	.....	...	23
" 14...	113	98	.....	...	98
" 15 ..	101	83	9	...	83
" 16...	48	39	.....	...	39
" 17...	54	37	4	...	37
" 18...	62	47	.....	...	47
" 19...	37	28	5	...	28
" 20...	148	122	14	2	124
" 21...	73	71	1	...	71
" 22...	90	73	5	...	73
" 23...	69	51	2	...	51
" 24...	71	68	.....	...	68
" 25...	52	50	.....	...	50
" 26...	51	42	4	...	42
" 27...	83	69	9	3	72
" 28...	57	45	3	...	45
" 29...	24	20	2	...	20
" 30...	153	129	15	...	129
" 31...	51	43	3	1	44
" 32...	70	63	4	...	63
" 33...	79	65	4	1	66
" 36...	15	12	.....	...	12
M.& F. No. 37...	15	14	.....	...	14
M. G. " 9...	21	13	3	...	13
" " 16...	37	25	7	3	28
Totals	2303	1944	138	16	1960

PRIMARY SCHOOLS.	Number on roll June 1, 1894.	Number recom'n'd June, 1894.	No. not recom'nd but examined.	Number passed.	Number promoted.
Female No. 1...	76	68	2	...	68
" 2...	30	29	.....	...	29
" 3...	53	49	1	...	49
" 4...	39	37	.....	...	37
" 5...	98	75	3	...	75
" 6...	77	64	3	...	64
" 7...	33	29	.....	...	29
" 8...	32	25	1	...	25
" 10...	50	44	.....	...	44
" 11 ..	112	102	6	...	102
" 12...	90	79	1	...	79
" 13...	25	21	3	...	21
" 14...	92	78	8	...	78
" 15...	110	107	3	...	107
" 16...	35	29	.....	...	29
" 17...	66	58	4	...	58
" 18...	55	41	4	...	41
" 19...	30	26	1	...	26
" 20...	162	133	20	...	133
" 21...	58	52	2	...	52
" 22...	66	55	.....	...	55
" 23...	72	58	9	1	59
" 24...	110	87	16	...	87
" 25...	39	32	.....	...	32
" 26...	54	42	1	...	42
" 27...	81	66	11	...	66
" 28...	50	41	6	3	44
" 29...	35	33	2	...	33
" 30...	106	91	9	...	91
" 31...	46	36	.....	...	36
" 32...	70	62	.....	...	62
" 33...	58	42	6	2	44
" 36...	14	8	2	...	8
F. G. No. 9...	21	20	.....	...	20
" " 16...	39	31	2	...	31
Totals.....	2184	1850	126	6	1856

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE F—Continued.

PROMOTIONS TO FOURTH GRADE.

SCHOOLS.	Number on roll June 1, 1894.	Number recommended, June, 1894.	Number not recommended, but examined.	Number passed.	Number promoted.
English-German No. 1	86	59	8	.....	59
" " 2	165	89	37	9	98
" " 3	250	170	19	.....	170
" " 4	230	176	15	.....	176
" " 5	142	112	18	1	113
Totals	873	606	97	10	616
Male Colored No. 1	37	29	.....	.....	29
" " 2	37	20	9	6	26
" " 3	63	37	.....	.....	37
" " 4	86	45	19	.....	45
" " 5	17	12	2	1	13
" " 6	46	26	9	3	29
" " 7	32	16	.....	.....	16
" " 8	52	39	.....	.....	39
" " 9	58	38	1	1	39
Female Colored " 1	67	53	4	1	54
" " 2	24	19	.....	.....	19
" " 3	61	52	4	1	53
" " 4	62	45	.....	.....	45
" " 5	13	11	.....	.....	11
" " 6	29	20	3	.....	20
" " 7	103	61	1	.....	61
" " 8	45	27	14	1	28
" " 9	50	30	.....	.....	30
Totals	882	580	66	14	594

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE F—Continued.

PROMOTIONS TO FOURTH GRADE.

SCHOOLS.	Number on roll June 1, 1894.	Number recommended, June, 1894.	Number not recommended, but examined.	Number passed.	Number promoted.
Annex School No. 1	39	29	2	.....	29
" " 2	120	95	10	.....	95
" " 4	84	73	5	1	74
" " 5	69	67	.....	.....	67
" " 7	60	34	6	1	35
" " 8	99	71	8	1	72
" " 9	36	27	3	.....	27
" " 11	63	50	1	.....	50
" " 12	110	89	8	.....	89
" " 13	105	49	.....	.....	49
" " 14	10	7	1	.....	7
" " 15	8	8	.....	.....	8
" " 16, Male	31	30	.....	.....	30
" " 16, Female	75	68	2	2	70
" " 17	41	34	1	1	35
" " 1, Colored	8	8	.....	.....	8
" " 2, "	2	2	.....	.....	2
" " 3, "	18	9	.....	.....	9
" " 4, "	12	11	.....	.....	11
Totals	990	761	47	6	767

RECAPITULATION.

M. P. Schools and G. Nos. 9 and 16	2,303	1,944	138	16	1,960
F. P. Schools and G. Nos. 9 and 16	2,184	1,850	126	6	1,856
English-German Schools	873	606	97	10	616
Colored Schools	882	580	66	14	594
Annex Schools	990	761	47	6	767
Totals	7,232	5,741	474	52	5,793

REPORT

—OF THE—

Assistant Superintendent of Public Instruction.

BALTIMORE, January 1, 1895.

Mr. Henry A. Wise, Superintendent
of Public Instruction:

SIR:

The neglect of the City Council to provide additional accommodations for primary school pupils has greatly increased the difficulties pressing upon the school authorities at the present time. During the last year three schools, Nos. 34, 35 and 38, were organized, all in rented buildings. With these, we now have five primary schools containing about 1,000 pupils without proper school accommodations. It has also been found necessary to provide additional accommodations in rented buildings for Nos. 3, 11, 19 and 21. New school buildings have been authorized by the City Council for Nos. 34 and 35. When the building for Colored School No. 9 has been erected, that now occupied by it can be utilized to relieve Nos.

11 and 21. The present City Council should without doubt authorize new buildings for Nos. 36, 37 and 38.

The enrollment of Nos. 2 and 3 has been greatly increased by the unusual immigration of Russian and Polish Jews and Italians. This has caused the renting of a large building on High street for the accommodation of No. 3, and greatly overcrowded No. 2. Several other schools in the residence portions of the city are fully occupied, and in the very near future will require prompt attention in order to prevent the same unfavorable condition of the schools mentioned above. This is the physical condition of our primary schools.

The college, high schools and grammar schools should without doubt have ample accommodations. They should receive every consideration due their very great importance in our public school system, even to the extent of providing such conveniences as will insure the comfort and well-being of the pupils and teachers. But at the same time the proper conditions of the primary schools should not be sacrificed. They constitute nearly three-fourths of all the pupils. These should be first considered and should have the most ample and comfortable accommodation. In fact, whatever in our physical supplies for the public schools has a tendency to make childhood happy or create a love for educational acquirement,

should first find a place in the school habitations of the primary classes. Many a child has been driven out into the world without a proper training for life on account of the dullness and gloom occasioned by mistaken school-economy. Many a boy or girl from a filth-burdened home has been reclaimed from a prospective vicious career by the bright associations of spacious, well-conditioned school-houses.

The using of houses intended as dwellings for school purposes is an abomination. It should be positively prohibited by law. The danger of disease is largely increased by reason of bad ventilation and contracted air space in such buildings of the most favorable character. There are many rooms now used for primary classes in rented buildings which do not afford more than 60 cubic feet of air space to a pupil.

In addition to this, it is frequently the case that the rooms are so small and irregularly constructed that it is almost impossible for the better kind of teaching to be done. If the Board should refuse to use such buildings, the Council would be compelled to supply proper conveniences to educate the children of our city.

A review of the intellectual condition of the primary schools is quite encouraging. While it is not

all that is to be desired, yet considerable progress is being made. There are unmistakable signs of increased professional spirit among our teachers. Classes for a better educational equipment have been formed, and many of our most progressive teachers have taken advantage of them, thereby acquiring a broader culture and a more thorough understanding of their duties as teachers.

In the performance of my duties, my association with teachers, Commissioners and officers of the Board has been pleasant and agreeable. To all, my thanks are hereby tendered.

Respectfully,

JOHN E. McCAHAN,

Assistant Superintendent.

REPORT

—OF THE—

Superintendent of Supplies.

BALTIMORE, December 31, 1894.

To the Board of Commissioners
of Public Schools:

GENTLEMEN:

The undersigned respectfully submits the ninth annual report of this office.

As will be seen by reference to the reports of the President and the Superintendent of Instruction, the enrollment of the schools is constantly increasing in a very gratifying manner to all friends of public education. As this office has especial charge of the arrangements for the comfort and convenience of the scholars, an expression of gratification at the increase and regret that more suitable accommodations have not been provided may not be considered extra-official.

The fact that, ordinarily, dwelling-houses are not suitable for the proper conduct of a school cannot be emphasized too much. Few dwellings have rooms sufficiently large for a class of ordinary size; still fewer are so arranged as to allow for effective and safe means of heating; a very small minority are so situated and arranged that they can be ventilated without producing draughts, and probably none have sufficient means of exit. But, besides these considerations, rented buildings are very expensive. Owners demand large rents for their property when used for school purposes, and they frequently require the Board to assume all expenses except those for repairing the roofs and pavements, besides requiring the Board to restore the premises to their original condition. These items are not all, for there is always considerable expense attached to the fitting up of such property in the first place, an expense which is lost when the building is surrendered. There is still another consideration: So far as possible old furniture is used in fitting up rented houses, but it frequently happens that new furniture has to be supplied because there is not sufficient old of the proper sizes.

The new house for Annex School No. 15 was completed and furnished in time for occupancy at the September opening. The building is probably the most comfortable and commodious public school house in the city. The completion of the building enabled the Board to surrender the rented building.

During the year it has been necessary to make some changes in and additions to our list of rented buildings.

In the last report it was mentioned that negotiations were pending for an additional building for Primary School No. 36. The negotiations were completed, and, by January 15, the property No. 23 South Collington avenue was ready for, and occupied by, the female department of said school.

In response to a petition from those interested, the building in Calverton, which was formerly occupied as a branch of Annex School No. 9, was again rented, and was fitted up for occupancy by Colored Annex School No. 2 during March.

The building formerly occupied by Annex School No. 14 was relinquished and a more comfortable one in every respect (old Werner's Hotel, on Park Heights avenue), rented and fitted up in time for occupancy at the September opening.

Owing to the large increase in scholars, it was found necessary to remove at least one of the schools occupying the building on Saratoga street, near Charles. After much difficulty the house No. 413 Courtland street was rented, fitted up and occupied by Male Colored School No. 1, at the September opening. The

removal of this school gave to High and Grammar Colored School No. 1 and Female Colored School No. 1 the room so much needed. The necessary additions and rearrangements of furniture were promptly made.

In consequence of the large increase in pupils in the southwestern and southern portions of the city, and the inability of the neighboring schools to accommodate them, the Board deemed it wise to establish Primary Schools Nos. 34 and 35 in rented buildings, pending the erection of their new houses. Consequently, the houses Nos. 1261 and 1263 James street, near Carey, were rented and fitted up for No. 34, and the house on the northeast corner of Light and Randall street was rented and prepared for No. 35. Both schools occupied their quarters in September.

The following changes were made during the autumn:

The rooms formerly used by Primary School No. 12 were relinquished and a building, more suitable in many respects, adjoining the school (No. 611 West Barre street), was rented and fitted up for the use of the school.

The increase in pupils at Primary School No. 37 (occupying a rented house) necessitated the rental of the house on the southwest corner of Biddle street

and Patterson Park avenue and its arrangement for the use of said school, the male department being placed in this building and the female department remaining in the old.

The almost phenomenal increase of pupils at Canton compelled the renting of a portion of the premises known as Canton Academy, on the corner of Chesapeake and O'Donnell streets. The rooms were fitted up for use of classes of Primary School No. 24, and later, more rooms in the same building were secured and fitted up.

The house No. 118 North High street was rented and fitted for the use of classes of Male Primary School No. 3, so great was the increase of pupils. For the same reason a room opposite to No. 19 was rented and prepared for the use of a class of the male primary department; and classes of Male Primary Schools Nos. 11 and 21 were provided for in the building on the northeast corner of Patterson avenue and Stricker street, rented for their use.

As previously intimated, old furniture was used, so far as possible, in preparing the rooms for school use; but a considerable quantity of new furniture was also required.

During the summer the usual white-washing and kalsomining was done, the heating apparatus put in

order and the fuel stored. Many desks and rear seats were renovated, completing the work begun some years ago. Hereafter, with proper care in the schools, the orders for renovating desks should be very small.

Some work in gas-fitting has been done at buildings used for night schools.

In addition to 11 organs ordered by the Committee on Music, the following-named articles of furniture have been purchased during the year: 10 No. 1 desks, 770 No. 2 desks, 442 No. 3 desks, 2 No. 1 rear seats, 138 No. 2 rear seats, 69 No. 3 rear seats, 5 principals' desks, 72 assistants' desks, 11 tables, 517 chairs, 18 large book-cases, 76 small book-cases, 65 slate boards, 2,600 sq. ft. slates in wall, 9 wardrobes, 53 umbrella stands, 7 wash stands, 1 principals' platform, 54 assistants' platforms, 200 ash cans.

When the estimates for 1894 were prepared, it was hoped that some new houses (notably those for the Western Female High School, English-German School No. 6 and Colored School No. 10) would be completed, or, in the case of the first-named, so far advanced as to warrant the purchase of some or all the furniture required. It was also feared that the smallness of the amount then available for Colored School No. 10 would compel the Inspector of Buildings to transfer to this Board the expense of putting in heating appa-

ratus. While regretting the non-completion of the buildings, it is pleasant that the Board is able to return so large an unexpended balance, and it is hoped that the appropriations for 1895 will be sufficiently large to cover the expense of fitting up all new buildings by this Board and the supplying of suitable heating and ventilating apparatus by the Inspector of Buildings, as that item does not seem a proper one to include in current expenses.

This office is thankful for the application of the discount system of bidding on furniture and other supplies. That system seems to be the only fair system and it certainly will relieve the incumbent of this office of much embarrassment.

It is hoped that the Committee on Furniture will devise a plan whereby the requests for furniture and work, will be sent to this office in writing and with distinct expression of authority, somewhat similar to the orders for books and stationery. This also would prevent much embarrassment.

As usual, there will be found following this report an inventory of the furniture and heating apparatus now in the schools, with the value appraised upon two-thirds of the cost.

The thanks of this office are due and gladly extended to the members of the Board, the officers, the teachers, the other employees and to the Inspector of Buildings for their uniform kindness and courteous treatment.

Very respectfully,

C. W. KEIDEL.

INVENTORY OF FURNITURE, HEATING APPARATUS, ETC., IN THE SCHOOLS, DECEMBER 31, 1894.

SCHOOLS.	Pupils' desks.	Rear seats.	Settees.	Teachers' desks.	Chairs.	Book cases.		Black boards.	Clocks.	Organs.	Pianos.	Wardrobes	Umbrella stands.	Wash stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated valuation.
						Large.	Small.												
Baltimore City College....	593	56	78	16	130	19	1	16	13	1	1	2	.....	.....	8	4	.....	.....	$6,850 00
East. Fem. High School...	356	25	84	24	125	7	.....	22	3	...	2	.....	.....	.....	12	4	2	2	5,340 00
West. Fem. High School..	418	32	159	15	115	14	7	32	2	1	1	.....	.....	.....	9	5	1	1	4,715 00
Balto. Polytechnic Inst...	256	46	.....	12	954	14	.....	wall	13	1	...	.....	.....	.....	16	2	.....	.....	5,356 00
Col'd Man'l Train'g Sch'l.	109	12	.....	11	67	8	6	25	1	...	....	1	.....	.....	1	.....	15	22	900 00
Totals.....	1732	171	321	78	1391	62	14	95	32	3	4	3	.....	.....	46	15	18	25	$23,161 00
Male Grammar No. 1.....	459	64	....	10	36	2	6	34	2	1	...	1	1	1	1	6	1	2	$3,300 00
" " " 2.....	431	42	.....	10	30	2	10	wall	2	1	....	1	6	1	1	$mead	1	1	2,190 00
" " " 3.....	107	20	2	7	19	1	10	18	1	1	....	2	2	1	1	6	1	1	1,700 00
" " " 4.....	177	29	2	8	28	1	7	28	1	1	....	2	1	1	2	.....	8	16	1,300 00
" " " 5.....	172	26	.....	7	18	3	6	20	2	1	....	1	2	1	1	.....	8	12	1,200 00
" " " 6.....	250	44	....	12	24	1	9	24	1	1	....	1	6	1	.....	5	3	4	2,050 00
" " " 7.....	227	38	....	9	24	2	10	25	1	1	....	1	2	1	1	5	1	2	2,220 00
" " " 8.....	219	46	2	10	40	2	14	wall	2	1	....	2	3	1	1	$mead	1	.....	2,400 00
" G. & P. " 9.....	88	14	3	10	18	1	7	20	2	1	....	1	1	1	.....	.....	5	8	600 00
" Grammar No. 10.....	191	28	1	8	26	3	12	36	2	1	....	1	1	1	1	.....	8	16	1,400 00
" " " 11.....	191	32	.....	8	24	2	7	15	1	1	...	1	1	1	1	6	1	2	1,830 00
" " " 12.....	226	31	.....	9	14	1	6	17	1	1	....	2	2	1	1	5	3	6	1,900 00
" " " 13.....	125	29	10	8	22	3	4	20	1	1	....	1	2	1	.....	.....	7	12	1,125 00
" " " 15.....	327	63	.....	16	36	12	1	48	2	2	...	1	4	1	.....	5	1	2	2,850 00
" " " 16.....	191	32	....	8	30	2	7	24	1	1	....	1	1	1	1	6	1	2	2,700 00
" " " 17.....	206	30	.....	10	32	2	7	23	1	1	....	1	1	1	1	... ..	10	20	1,300 00
" " " 18.....	406	35	.....	17	20	2	6	wall	1	1	....	1	2	1	1	$mead	1	1	2,560 00
" " " 19.....	376	32	.....	8	38	2	8	wall	2	1	....	1	2	1	.....	$mead	1	1	2,470 00
" " " 20.....	293	32	.....	11	38	2	10	wall	1	1	....	1	6	1	1	$mead	1	1	2,860 00
" " " 21.....	251	40	.....	10	36	2	8	26	2	1	....	2	1	1	.....	.....	13	24	1,650 00
M. & F. " " 22.....	179	28	3	8	19	2	4	23	1	1	....	1	2	1	1	4	2	3	1,700 00
Totals, Male Grammar...	5092	735	23	204	572	50	159	391	30	22	....	26	49	21	17	48	78	133	$41,305 00

INVENTORY OF FURNITURE, HEATING APPARATUS, ETC.—Continued.

SCHOOLS.	Pupils' desks.	Rear seats.	Settees.	Teachers' desks.	Chairs.	Book cases.		Black boards.	Clocks.	Organs.	Pianos.	Wardrobes	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated valuation.
						Large.	Small.												
Female Grammar No. 1..	248	40	38	10	26	3	5	36	1	...	1	1	2	1	1	6	1	2	$2,580 00
" " " 2..	433	42	.....	10	30	3	10	wall	1	1	....	1	8	1	1	a	1	1	2,150 00
" " " 3..	107	19	.....	6	17	2	7	20	1	1	....	1	1	1	1	a	1	1	800 00
" " " 4..	166	26	15	7	24	2	8	26	1	1	1	1	2	1	2	.....	8	16	1,490 00
" " " 5..	179	30	4	8	15	2	6	20	1	1	....	1	2	1	1	....	7	16	1,250 00
" " " 6..	274	34	12	9	45	2	6	28	1	....	1	1	4	.....	1	a	3	4	1,650 00
" " " 7..	200	38	.....	9	24	2	10	25	1	1	....	1	2	1	1	a	1	2	2,200 00
" " " 8..	248	46	8	10	40	2	14	wall	1	1	....	1	2	1	1	a	1	.....	2,400 00
" G. & P. " 9..	87	10	.....	6	15	2	1	10	1	1	....	.....	1	.....	.....	.....	7	12	560 00
" Grammar " 10..	179	29	3	9	24	5	4	32	1	1	....	1	1	1	1	.....	8	16	1,500 00
" " " 11..	215	28	.....	7	26	2	7	18	2	1	....	4	.....	1	1	a	1	1	1,250 00
" " " 12..	177	28	5	9	36	1	6	24	1	1	....	1	2	.....	1	a	3	6	1,300 00
" " " 13..	155	32	7	7	24	2	7	22	1	1	....	1	4	1	1	.....	7	12	1,200 00
" " " 15..	355	45	....	11	35	2	10	14	2	....	1	2	4	2	.....	4	2	2	2,675 00
" " " 16..	191	32	.....	8	30	2	7	24	1	1	....	1	2	4	1	a	1	2	1,850 00
" " " 17..	221	30	.....	10	32	2	7	23	1	1	....	1	4	1	.....	.....	10	18	1,325 00
" " " 18..	370	35	.....	7	20	2	6	wall	1	1	....	1	1	1	1	a	.....	.....	2,400 00
" " " 19..	439	45	.....	9	38	2	8	wall	1	1	....	1	1	.....	1	a	1	.....	2,560 00
" " " 20..	299	48	.....	12	48	3	12	wall	1	1	....	1	1	1	1	a	1	.....	2,560 00
" " " 21..	239	31	.....	10	24	1	10	32	2	1	....	1	1	1	1	.....	10	20	1,550 00
Totals, Fem. Gram.....	4782	668	92	174	573	44	151	354	23	17	4	23	45	20	18	10	74	131	$35,250 00
English-German No. 1....	331	42	2	13	25	7	1	28	1	1	....	.....	.....	.....	.....	.....	15	30	1,950 00
" " " 2....	537	72	.....	20	43	.....	16	44	2	2	....	4	4	2	4	6	2	4	3 620 00
" " " 3....	570	84	.....	26	48	2	19	49	2	2	....	2	.....	.....	2	2	14	26	3,890 00
" " " 4....	690	84	.....	24	50	.....	16	46	2	2	...	4	1	2	2	6	2	4	4,300 00
" " " 5....	596	88	.....	26	58	2	18	wall	2	1	....	2	4	2	2	Smead	1	.....	4,500 00
Totals, Eng.-Ger.....	2724	370	2	109	224	11	70	167	9	8	....	12	9	6	10	14	34	64	$18,260 00

INVENTORY OF FURNITURE, HEATING APPARATUS, ETC.—Continued.

SCHOOLS.	Pupils' desks.	Rear seats.	Settees.	Teachers' desks.	Chairs.	Book cases. Large.	Book cases. Small.	Black boards.	Clocks.	Organs.	Pianos.	Wardrobes.	Umbrella stands.	Wash stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated valuation.
Male Primary No. 1.....	272	60	2	12	40	1	9	28	1	1	...	1	3	1	1	a	1	1	$2,240 00
" " " 2.....	134	22	2	7	24	1	5	18	1	1	...	1	2	1	.....	.....	5	9	850 00
" " " 3.....	264	52	.....	9	26	1	7	24	1	1	....	2	2	1	1	a	1	1	1,060 00
" " " 4.....	151	24	5	6	18	3	5	22	1	1	....	1	2	1	2	.....	6	12	1,075 00
" " " 5.....	269	40	3	8	30	2	7	28	1	1	....	1	1	1	1	6	1	1	2,250 00
" " " 6.....	215	36	.....	9	28	1	7	28	1	1	....	2	2	1	1	.....	10	16	1,575 00
" " " 7.....	119	24	.....	6	24	1	5	14	1	1	....	1	1	1	1	2	3	6	1,050 00
" " " 8.....	202	38	.....	8	26	1	6	8	1	1	....	1	1	1	1	.....	9	17	1,250 00
" " " 10.....	117	21	2	7	18	2	3	22	1	1	....	1	2	1	2	.....	6	9	940 00
" " " 11.....	292	38	....	10	28	2	8	10	1	1	....	1	4	1	2	6	1	2	2,880 00
" " " 12.....	235	42	.....	9	28	3	8	28	1	1	....	1	1	1	1	.....	9	16	1,440 00
" " " 13.....	172	26	.....	6	30	1	5	wall	1	1	....	1	2	1	1	Smead	1	.....	1,640 00
" " " 14.....	179	27	.....	8	34	1	6	23	1	1	...	2	1	1	1	5	1	2	1,765 00
" " " 15.....	199	20	.....	9	24	1	6	18	1	1	1	1	2	1	1	.....	9	12	1,350 00
" " " 16.....	170	27	5	6	20	1	4	22	1	1	....	1	2	1	1	5	1	2	1,875 00
" " " 17.....	166	33	.....	6	14	1	2	22	1	1	....	1	1	1	1	.....	8	14	1,000 00
" " " 18.....	147	26	.....	6	26	1	3	18	1	1	....	1	1	1	1	.....	7	14	960 00
" " " 19.....	192	43	.....	5	18	1	4	wall	1	1	....	1	2	1	1	Smead	1	.....	1,250 00
" " " 20.....	373	61	.....	17	36	2	13	48	2	1	....	2	12	1	1	.....	16	34	2,350 00
" " " 21.....	177	31	.....	5	11	2	14	16	1	1	....	1	1	1	1	.....	7	10	1,100 00
" " " 22.....	230	38	11	10	24	1	8	24	1	1	....	1	2	1	1	.....	9	14	1,200 00
" " " 23.....	205	26	.....	6	19	1	5	8	1	1	....	1	2	1	1	4	1	3	1,930 00
" " " 24.....	258	40	.....	9	36	2	8	wall	1	1	....	1	2	1	1	Smead	4	6	2,200 00
" " " 25.....	226	34	....	8	40	2	7	wall	1	1	....	2	4	1	1	Smead	1	1	2,020 00
" " " 26.....	119	20	4	7	18	1	4	20	1	1	....	1	3	1	1	.....	5	6	800 00
" " " 27.....	180	30	.....	7	18	1	6	26	1	1	....	1	2	1	1	.....	8	14	1,250 00
" " " 28.....	157	24	.....	6	18	1	6	26	1	1	....	1	2	1	1	.....	6	12	1,100 00
" " " 29.....	196	24	.....	6	18	1	6	10	1	1	....	1	2	1	1	5	1	1	2,410 00
" " " 30.....	314	46	.....	10	24	2	6	25	1	1	....	1	4	1	1	4	1	4	2,240 00
" " " 31.....	159	28	.....	6	29	1	5	wall	1	1	....	1	4	1	1	Smead	1	1	1,800 00
" " " 32.....	234	34	.....	8	30	1	5	wall	1	1	....	1	2	1	1	Smead	1	.....	1,925 00
" " " 33.....	204	28	.....	6	24	1	5	wall	1	1	....	1	4	1	1	Smead	1	.....	1,800 00
M. & F. " " 34.....	130	20	.....	4	10	1	3	8	1	1	....	1	2	1	1	.....	6	.....	650 00
" " " 35.....	100	16	....	5	10	1	3	10	1	1	....	1	2	1	1	.....	5	10	580 00
Male Primary " 36.....	76	10	.....	3	10	1	3	6	1	1	....	1	1	1	1	.....	3	4	480 00
" " " 37.....	67	8	.....	4	12	1	3	8	1	1	....	1	1	1	1	.....	4	6	460 00
Totals Male Primary....	6900	1117	34	154	843	48	110	568	37	36	1	41	84	36	38	37	160	260	$52,745 00

Schools.	Pupils' desks.	Rear seats.	Settees.	Teachers' desks.	Chairs.	Book cases. Large.	Book cases. Small.	Black boards.	Clocks.	Organs.	Pianos.	Ward-robes.	Umbrella stands.	Wash stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimat'd valuation.
Female Primary No. 1....	260	38	49	14	20	2	8	43	2	1	....	1	2	1	1	a	1	1	$1,540 00
" " " 2....	137	18	.....	5	14	2	4	18	1	1	....	1	2	1	1	.....	5	10	800 00
" " " 3....	180	24	2	6	18	2	8	18	1	1	....	1	2	1	1	a	1	1	950 00
" " " 4....	128	22	6	6	22	1	4	16	1	1	....	1	4	1	1	.....	6	12	920 00
" " " 5....	291	45	2	9	18	1	6	22	1	1	....	1	2	1	1	c	1	2	1,450 00
" " " 6....	238	33	.....	7	28	1	10	20	1	1	....	1	3	1	1	.....	8	14	1,350 00
" " " 7....	120	24	.....	5	24	1	5	12	1	1	....	2	4	1	1	c	2	4	700 00
" " " 8....	182	35	.....	7	26	1	6	7	1	1	....	1	2	1	1	.....	8	15	1,130 00
" " " 10....	122	18	.....	7	18	2	4	20	1	1	....	1	6	1	1	.....	5	9	850 00
" " " 11....	282	40	.....	10	23	2	9	16	1	1	....	1	8	1	1	c	1	1	2,475 00
" " " 12....	189	33	2	8	20	1	6	28	1	1	....	1	2	1	1	.....	9	9	1,350 00
" " " 13....	162	26	.....	6	22	1	5	wall	1	1	....	1	3	1	1	c	1	.....	1,650 00
" " " 14....	199	28	.....	6	30	1	7	25	1	1	....	2	5	1	1	c	1	1	1,050 00
" " " 15....	195	33	3	10	24	2	6	28	1	1	....	1	4	1	1	.....	9	14	1,350 00
" " " 16....	159	27	.....	6	20	1	5	22	1	1	....	1	3	1	1	c	.....	.....	950 00
" " " 17....	188	28	.....	7	16	1	6	24	1	1	....	1	6	1	1	.....	7	14	1,150 00
" " " 18....	146	22	.....	6	18	1	2	26	1	1	....	1	4	1	1	.....	6	12	850 00
" " " 19....	180	20	.....	4	22	1	3	wall	1	1	....	1	6	1	1	c	.....	.....	950 00
" " " 20....	387	52	.....	17	36	2	11	55	1	1	....	1	8	1	1	.....	16	34	2,250 00
" " " 21....	173	31	.....	6	18	1	3	20	1	1	....	1	3	1	1	...	7	14	2,000 00
" " " 22....	188	30	11	6	17	1	6	21	1	1	....	1	2	1	1	.....	8	12	1,150 00
" " " 23....	208	26	.....	6	18	1	5	12	1	1	....	1	2	1	1	c	4	1	1,300 00
" " " 24....	262	42	.....	9	36	2	8	wall	1	1	....	1	2	1	1	c	4	4	2,100 00
" " " 25....	226	34	.....	8	36	2	7	wall	1	1	....	1	2	1	1	c	1	.....	2,050 00
" " " 26....	140	30	.....	6	18	1	5	20	1	1	....	1	4	1	1	.....	5	16	900 00
" " " 27....	241	42	.....	10	18	1	5	26	1	1	....	1	4	1	1	.....	7	14	1,250 00
" " " 28....	156	27	.....	7	18	2	7	25	1	1	....	1	3	1	1	.....	7	14	1,050 00
" " " 29....	184	24	.....	6	18	1	6	6	1	1	....	1	2	1	1	c	1	1	1,175 00
" " " 30....	202	46	.....	10	18	1	6	30	1	1	....	1	3	1	1	c	1	2	1,450 00
" " " 31....	165	28	.....	6	18	1	5	wall	1	1	....	1	2	1	1	c	1	1	1,700 00
" " " 32....	154	24	.....	6	18	1	5	wall	1	1	....	1	2	1	1	c	1	.....	1,600 00
" " " 33....	180	24	.....	6	18	1	5	wall	1	1	....	1	2	1	1	c	1	.....	1,675 00
" " " 36....	80	14	.....	4	10	1	3	8	1	1	....	1	2	1	.....	.....	4	8	750 00
" " " 37....	85	15	.....	4	8	1	3	8	1	1	....	1	2	1	.....	.....	4	8	760 00
Totals, Fem. Primary...	6599	1003	75	246	705	44	194	576	35	34	....	36	113	34	32	.....	133	248	$44,625 00

INVENTORY OF FURNITURE, HEATING APPARATUS, ETC.—Continued.

SCHOOLS.	Pupil's desks.	Rear seats.	Settees.	Teachers' desks.	Chairs.	Book cases.		Black boards.	Clocks.	Organs.	Pianos.	Wardrobes	Umbrella stands.	Wash stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated valuation.
						Large.	Small.												
High & Gram. Col. No. 1.	308	64	.....	14	48	2	13	42	1	1	....	2	4	1	2	d	1	1	$2,800 00
Grammar Colored " 2.	184	36	.....	6	18	2	5	14	2	1	....	1	2	1	1	.....	10	18	1,260 00
" " " 3.	156	30	.....	11	30	6	8	26	2	1	....	1	2	1	1	.....	10	18	1,200 00
Male Colored No. 1.....	144	24	.....	4	16	1	4	12	1	1	....	1	2	1	1	6	1	1	1,860 00
" " " 2.....	161	30	.....	7	12	1	6	20	1	1	....	1	2	1	1	.....	6	10	1,020 00
" " " 3.....	267	38	.....	7	30	1	7	wall	1	1	....	2	1	1	1	8	1	1	2,950 00
" " " 4.....	188	24	.....	6	18	2	6	18	2	1	....	1	1	1	1	.....	6	10	1,000 00
" " " 5.....	120	20	.....	5	18	1	4	15	1	1	....	1	2	1	1	.....	5	10	850 00
" " " 6.....	149	24	9	6	16	9	2	15	1	1	....	1	2	1	.....	.....	6	9	975 00
" " " 7.....	254	39	.....	10	30	1	9	28	1	1	....	1	4	1	1	6	1	2	2,250 00
" " " 8.....	110	17	....	6	15	2	3	14	1	1	....	1	1	1	1	2	1	1	850 00
" " " 9.....	222	46	.....	10	30	2	10	wall	2	1	....	2	2	1	1	4	5	10	2,050 00
Female " " 1.....	235	24	.....	6	24	1	6	18	1	1	....	1	3	1	1	d	.....	.....	1,300 00
" " " 2.....	174	26	.....	7	19	2	6	16	1	1	...	1	2	1	.....	.....	6	14	1,100 00
" " " 3.....	273	38	.....	10	30	1	7	wall	1	1	....	1	3	1	1	d	1	1	2,300 00
" " " 4.....	185	26	4	8	10	1	4	20	1	1	...	1	3	1	1	.....	6	10	985 00
" " " 5	126	20	....	5	18	1	4	15	1	1	....	1	2	1	1	.....	5	10	985 00
" " " 6.....	152	23	11	7	10	1	3	16	1	1	....	1	1	1	1	.....	7	8	1,350 00
" " " 7.....	276	37	.....	12	28	1	11	31	1	1	....	2	1	1	2	d	2	4	1,450 00
" " " 8.....	161	25	....	5	16	1	4	32	1	1	....	1	2	1	.....	d	3	6	800 00
" " " 9.....	211	35	.....	10	30	1	3	wall	2	1	....	1	2	1	1	d	4	6	1,475 00
Totals, Colored	4056	646	24	162	466	40	125	352	26	21	....	25	44	21	20	26	87	150	$30,810 00

INVENTORY OF FURNITURE, HEATING APPARATUS, ETC.—Continued.

SCHOOLS.	Pupils' desks.	Rear seats.	Settees.	Teachers' desks.	Chairs.	Book cases. Large.	Book cases. Small.	Black boards.	Clocks.	Organs.	Pianos.	Wardrobes	Umbrella stands.	Wash stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated valuation.
Annex No. 1	153	28	.....	6	14	.....	4	wall	1	1	....	1	2	1	1	.....	6	10	$ 650 00
" " 2	423	62	.....	12	36	.....	6	26	1	1	....	.....	.....	2	.....	.....	12	18	1,850 00
" " 3, Male	157	28	.....	6	18	.....	2	16	1	....	1	.....	.....	1	.....	1	.....	8	16	1,000 00
" " 3, Female	109	18	.....	5	12	.....	5	12	1	....	....	1	2	1	1	.....	4	8	850 00
" " 4	166	28	.....	6	24	1	5	wall	1	....	....	1	1	1	1	Smead	1	.....	1,275 00
" " 5	180	30	.....	6	18	2	.....	10	1	....	....	.....	....	.....	.....	.....	6	12	850 00
" " 6	147	30	.....	6	24	1	5	wall	1	1	....	1	1	1	1	Smead	1	.....	1,275 00
" " 7	228	32	.....	8	18	2	2	7	1	....	....	1	2	.....	.....	1	5	8	1,600 00
" " 8	371	48	.....	14	36	2	12	wall	1	1	....	2	4	2	2	Smead	1	.....	4,000 00
" " 9	181	26	.....	6	18	.....	2	10	1	....	....	.....	.....	.....	.....	.....	6	14	750 00
" " 10	89	22	.....	5	20	1	.....	12	2	....	....	.....	.....	.....	.....	.....	4	8	600 00
" " 11	302	48	.....	12	40	2	10	wall	2	1	....	2	4	2	2	Smead	1	.....	3,800 00
" " 12	462	46	.....	12	26	1	6	28	1	....	....	1	4	.....	.....	.....	14	25	1,875 00
" " 13	413	52	.....	14	40	2	12	32	2	1	....	2	6	2	2	Smead	1	.....	2,650 00
" " 14	44	7	.....	2	6	.....	2	4	....	1	....	.....	....	.....	.....	.....	2	4	300 00
" " 15	58	10	.....	3	9	1	3	6	1	1	....	.....	....	.....	.....	.....	3	4	350 00
" " 16, Male	168	30	.....	6	20	1	5	12	1	1	....	1	1	1	1	4	.....	.....	2,100 00
" " 16, Female	162	30	.....	6	20	1	5	12	1	1	....	1	1	1	1	e	.....	.....	1,650 00
" " 17	165	24	.....	6	20	1	5	15	1	1	....	1	2	1	1	Smead	1	.....	1,500 00
" " 1, Colored	61	10	.....	3	6	.....	2	6	1	....	....	.....	1	.....	.....	.....	3	5	325 00
" " 2, "	48	4	.....	2	6	1	2	4	1	....	....	.....	1	.....	.....	.....	2	4	315 00
" " 3, "	68	14	.....	4	8	.....	3	7	1	....	....	.....	1	.....	.....	.....	3	5	350 00
" " 4, "	75	10	.....	3	8	.....	3	6	1	....	....	.....	1	.....	.....	.....	3	5	475 00
Totals	4230	637	.....	153	447	19	101	225	25	11	1	15	35	15	14	5	87	146	$30,390 00

a. Included in Male Grammar Department.
b. " " Female " "
c. " " Male Primary "
d. " " Male Colored "
e. " " Male Annex "

Inventory of Furniture, Heating Apparatus, Etc.

RECAPITULATION.

Schools.	Pupils' desks.	Rear seats.	Settees.	Teachers' desks.	Chairs.	Book cases. Large.	Book cases. Small.	Black boards.	Clocks.	Organs.	Pianos.	Wardrobes	Umbrella stands.	Wash stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated valuation.
Baltimore City College	593	56	78	16	130	19	1	16	13	1	1	2	.....	.....	8	4	....	.....	$6,850 00
East. Fem. High Sch.	356	25	84	24	125	7	.....	22	3	....	2	.....	.....	.....	12	4	2	2	5,340 00
West. Fem. High Sch	418	32	159	15	115	14	7	32	2	1	1	.....	.....	.....	9	5	1	1	4,715 00
Balto. Polytechnic Insti	256	46	.....	12	954	14	.....	wall	13	1	...	.....	.....	.....	16	2	....	.....	5,356 00
Col Man'l Train'g School	109	12	.....	11	67	8	6	25	1	....	....	1	.....	.....	1	....	15	22	900 00
Male Grammar	5,092	735	23	204	572	50	159	391	30	22	....	26	49	31	17	48	78	133	41,305 00
Female Grammar	4,782	668	92	174	573	44	151	354	23	17	4	23	45	20	18	10	74	131	35,250 00
English-German	2,724	370	2	109	224	11	70	167	9	8	...	12	9	6	10	14	34	64	18,260 00
Male Primary	6,900	1117	34	154	843	48	110	568	37	36	1	41	84	36	38	37	160	260	52,745 00
Female Primary	6,599	1003	75	246	705	44	194	576	35	34	....	36	118	34	32	....	133	248	44,625 00
Colored	4,056	646	24	162	466	40	125	352	26	21	....	25	44	21	20	26	87	150	30,810 00
	31,885	4710	571	1127	4774	299	823	2503	192	141	9	166	344	138	181	150	584	911	$246,156 00
Annex Schools	4230	637	.....	153	447	19	101	225	25	11	1	15	35	15	14	5	87	146	30,390 00
Totals	36,115	5347	571	1280	5221	318	924	2728	217	152	10	181	379	153	195	155	671	1057	$276,546 00

In addition to the above there are stored in store-house the following: 190 double high school desks, 4 double high school rear seats, 20 No. 1 double Soper desks, 3 No. 1 double Soper rear seats, 22 No. 2 double Soper desks, 83 No. 3 double Soper desks, 9 No. 3 double Soper rear seats, 46 No. 1 maple desks, 5 No. 1 Baltimore desks, 6 blackboards, 1 twelve-foot table, 1 six-foot table, 15 large book cases (glass fronts), 10 sections opera chairs (5 in each section), 2 sections opera chairs (2 in each section), 1,200 or 1,500 pounds old iron.

PAPERS RELATING TO BALTIMORE CITY COLLEGE.

FACULTY.

FRANCIS A. SOPER, A.M., PRINCIPAL,
Professor of Higher Mathematics.

CHARLES F. RADDATZ, VICE-PRINCIPAL,
Professor of the German Language.

A. L. MILLES, B.A.,
Professor of the French Language and Adjunct Professor of Latin.

POWHATAN CLARKE, M.D.,
Professor of Natural Sciences.

CHARLES C. WIGHT,
Professor of English Literature and History.

A. Z. HARTMAN, A.M.,
Professor of Latin and Greek.

J. N. HANK, A.M.,
Professor of Latin and Mental Philosophy.

JOSEPH H. ELLIOTT, SECRETARY OF FACULTY,
Professor of Book-keeping and Penmanship.

S. F. NORRIS,
Professor of Astronomy and Mathematics.

ROBERT C. COLE, A.M.,
Professor of History and Political Economy.

ALEXANDER HAMILTON,
Professor of English and Mathematics.

G. EMORY MORGAN, A.M.,
Professor of Latin and English Literature.

HENRY S. WEST, A.B.,
Professor of Drawing.

PHILIP H. FRIESE,
Adjunct Professor of Natural Sciences and English.

JULIUS G. MILLER,
Adjunct Professor of Mathematics and Latin.

WILBUR F. SMITH,
Adjunct Professor of Mathematics and English.

CURRICULUM.

FIRST YEAR.

History of United States,
History of England,
Writing,
Composition,
Drawing,
Natural Philosophy,
English Literature,
Latin,
Book-keeping,
Algebra,
Geometry.

SECOND YEAR.

Composition,
English Literature,
Book-keeping,
Natural Philosophy,
Drawing,
Latin,
German,
Geometry,
History of Rome, and Constitution of Maryland,
Mensuration,
Elocution.

THIRD YEAR.

Composition and Elocution,
English Literature,
Drawing,
Latin,
Chemistry,
Review of Mathematics,
History of Greece and Eastern Nations,
German,
Greek (optional),
French,
Trigonometry and applications,
Rhetoric.

FOURTH YEAR.

English Literature and essays,
Chemistry,
Latin,
Greek,
French,
Surveying and Navigation,
German,
Drawing,
Analytical Geometry,
Astronomy,
Civil Government,
Composition,
Elocution.

FIFTH YEAR.

Latin,
Greek,
Calculus,
English Literature and essays,
Mental Philosophy,
Political Economy,
French,
German,
Chemistry,
Astronomy,
Drawing,
Elocution.

RECITATIONS.

109th and 110th Terms.

RECITATIONS HEARD EACH WEEK BY THE RESPECTIVE PROFESSORS.

PROF. SOPER—Calculus, 4 times; Analytical Geometry, 6 times; Preparation, 4 times 14

PROF. RADDATZ—German, 21 times; English History, 2 times; Preparation, 1 time 24

PROF. MILLES—Latin, 9 times; French, 15 times 24

PROF. CLARKE—Natural Philosophy, 6 times; Chemistry, 18 times 24

PROF. WIGHT—English Literature, 15 times; Rhetoric, 9 times 24

PROF. HARTMAN—Greek, 12 times; Latin, 12 times 24

PROF. HANK—Latin, 20 times; Mental Philosophy, 2 times, Preparation, 2 times 24

PROF. ELLIOTT—Book-keeping, 21 times; Writing, 1 time; Preparation, 2 times 24

PROF. NORRIS—Trigonometry, 12 times; Astronomy, 3 times; Surveying and Navigation, 4 times; Review Mathematics, 4 times; Preparation, 1 time 24

PROF. COLE—History, 19 times; Political Economy, 2 times; Civil Government, 2 times; Preparation, 1 time 24

PROF. HAMILTON—Geometry, 18 times; Algebra, 4 times; Preparation, 2 times 24

PROF. MORGAN—Latin, 15 times; English Literature, 6 times; Composition, 1 time; Preparation, 2 times 24

PROF. WEST—Drawing, 24 times 24

PROF. FRIESE—Composition, 7 times; Natural Philosophy, 12 times; History of U. S., 3 times; Preparation, 2 times 24

PROF. MILLER—Latin, 10 times, Algebra, 6 times; Composition, 2 times; Geometry, 4 times; Preparation, 2 times 24

PROF. SMITH—History, 3 times; English Literature, 6 times; Writing, 5 times; Algebra, 2 times; Geometry, 2 times; Composition, 5 times; Preparation, 2 times 25

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

Fifth Year.—J.—Calculus, 4; French, 2; German, 2; Chemistry, 3; English 3; Drawing, 1; Latin, 4; Mental Philosophy or Greek, 2; Astronomy, 1; Political Economy or Greek, 2—24.

Fourth Year.—I^1 and I^2.—Analytical Geometry, 3; French, 2; German, 2; Chemistry, 3; English, 3; Drawing, 1; Latin, 4; Greek, or Surveying and Navigation, 4; Astronomy, 1; Civil Government, 1—24.

Third Year,—H^1, H^2 and H^3.—French, 3; German, 2; Chemistry, 3; Rhetoric, 3; Drawing, 1; Greek or Review Mathematics, 4; Latin, 4; Trigonometry, 4; History Greece and Eastern Nations, 1—25.

Second Year.—B^1, B^2 and B^3.—German, 3; Physics, 2; English Literature, 2; Drawing, 2; Latin, 4; Book-keeping, 3; Geometry, 4; Composition, 1; History Rome and Constitution Maryland, 2—23.

First Year.—A^1, A^2, A^3, A^4, A^5 and A^6.—Latin, 5; History England, 2; Drawing, 2; Book-keeping, 2; Writing, 1; Geometry, 2; Algebra, 2; English Literature, 2; Physics, 2; Composition, 2; History U. S., 1—23.

ROLL FOR THE YEAR 1894.

Number of students on roll December 31, 1893.	539
Number admitted by promotion during 1894...	275
Number admitted from private schools during 1894.....	26
Whole number on roll during 1894.....	840
Number withdrawn during 1894.....	193
Number graduated in June, 1894.....	18
Number re-entered during 1894.....	7
Number on roll December 31, 1894.....	636
Average attendance during 1894.....	524
Average number on roll during 1894.....	561.2
Percentage of attendance for the year.....	93.4
Number on roll June 30, 1894.....	478
Number of those who returned after summer vacation	376
Number of new students entered after September 3, 1894.....	301
Whole number on roll from September 3 to December 31, 1894.....	677
Number withdrawn from September 3 to December 31, 1894.....	41

GRADUATES.

Frank Ringgold Blake,
William Samuel Vinton Blake,
Albert Cottier Cooley,
Spencer Livingstone Davidson,
William Arthur Donaldson,
George Frederic Gourley,
Jesse Vinton Hobbs,
Charles Von Oden Hughes,
Van Vert Klinefelter, Jr.,
William Milnes Maloy,
Charles White Maydwell,
Harrie Blandford Rasch,
Charles Eder Reed,
Otto Schoenrich,
Alexander Henry Schulz,
John Harold Todd,
David Emrich Weglein,
Franklin Emanuel Witz.

RECIPIENTS OF PEABODY PRIZES

OF THE FIRST GRADE—ONE HUNDRED DOLLARS EACH:

David Emerich Weglein,
Frank Ringgold Blake,
Otto Schoenrich.

OF THE SECOND GRADE—FIFTY DOLLARS EACH:

William Milnes Maloy,
Alexander Henry Schulz,
Charles Von Oden Hughes,
Harrie Blandford Rasch.

RECIPIENT OF SHAKSPEAREAN PRIZE:

Jesse Vinton Hobbs.

Papers Relating to Baltimore Polytechnic Institute.

FACULTY.

JOHN W. SAVILLE, LL.B., PRESIDENT,
Engineering.

E. NEWTON EBAUGH, PH.B., VICE-PRESIDENT,
Higher Mathematics.

WILLIAM DUGENT,
Instructor in Pattern-making and Wood-turning.

WILLIAM G. RICHARDSON,
Instructor in Chipping, Filing and Machine Construction.

WILLIAM H. HALL,
Instructor in Chemistry and Physics.

J. WARD WILLSON, M.D.,
Instructor in Anatomy, Physiology and Hygiene.

ALBERT McCLEAN,
Instructor in Forging.

B. WHEELER SWEANY,
Instructor in Mechanical and Architectural Drawing.

JOHN L. YATER, JR.,
Instructor in Penmanship and Geography.

*THOMAS G. FORD,
Instructor in Carpentry.

RICHARD H. UHRBROCK,
Instructor in Algebra.

*GEORGE M. GAITHER,
Instructor in Carpentry.

*WARREN S. SEIPP,
Instructor in Free-hand Drawing.

FREDERICK D. J. KAESSMANN,
Instructor in German.

WILLIAM A. JONES,
Instructor in Sheet Metal Work.

SAMUEL M. NORTH,
Instructor in Arithmetic.

WILLIAM S. BLAKE,
Instructor in Literature, English and Oratory.

*RALPH L. WILLIAMS,
Instructor in History.

JOSEPH C. O'CONNOR,
Instructor in Carpentry.

FREDERICK W. WILD,
Instructor in Sheet Metal Work.

EDWIN M. BAKER,
Engineer.

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*Graduates of this Institute.

THE COURSE OF STUDY.—(General.)

The combined course of study covers three years, and the school time of the students is about equally divided between mental and manual exercises. One hour per day is given to drawing, one hour and a-half to shop-work and three hours to the usual academic studies.

The course of studies embraces five parallel lines, as follows:

First—A course in English and German Language and Literature, Composition, Social Science and History.

Second—A course in Science and applied Mathematics, including Geology, Physics, Chemistry, Physiology, Mensuration, Book-keeping and Engineering.

Third—A course in pure Mathematics, including Arithmetic, Algebra, Geometry and Trigonometry.

Fourth—A course in Free Hand, Architectural and Mechanical Drawing, Designing and Penmanship.

Fifth—A course in tool instruction, including Carpentry, Wood-Carving, Wood-Turning, Pattern-Making, Moulding, Soldering, Brazing, Vise and Machine-shop work, Printing; Care and management of steam engines and boilers, and Military drill.

GRADUATES.

Bell, Edward H.
Bowen, Albert M., Jr.
Briscoe, J. Straith
Cotton, Harry A.
Edgar, Carroll
Hall, Pliny Cutler
Herring, Edward I.
Kopp, Fred J.
Littig, Philip, Jr.
McGinn, Thomas Q.
Megraw, Herbert Ashton
Miller, Horace J.
Mueller, Louis
Parlett, George M.
Schlicker, Charles
Spear, James Otis
Wilson, Allan Pressley
Zeubert, John

RECIPIENTS OF CERTIFICATES FOR PARTIAL PROFICIENCY:

HELB, LOUIS F. SCHLOSS, JEROME EDWARD.

RECIPIENT OF ALUMNI MEDAL:

HORACE J. MILLER.

RECIPIENT OF STEAM ENGINEERING MEDAL:

PHILIP LITTIG, JR.

RECIPIENT OF ELECTRICAL ENGINEERING MEDAL:

Presented by Class of '93,

HORACE J. MILLER.

ROLL.

Number of students on roll December 31, 1893	486		
Number of students admitted during the year	374		
Total number in the Institute during the year		860	
Number withdrawn during the year	299		
Number graduated	18		
		317	
Number now on roll			543
Average enrollment during the year	493 4–19		
Percentage of attendance during the year	95		

NIGHT CLASSES.

Number on roll December 31, 1893	32		
Number admitted	337		
Total number in the Institute during the year		369	
Number withdrawn during the year		165	
Number now on roll			204
Total number now on roll in day and night classes			747

Papers Relating to the Eastern Female High School.

FACULTY.

WILLIAM F. WARDENBURG,

Astronomy, Book-keeping, Trigonometry.

MARY C. GEDDES,

Geometry, Composition, Mental Philosophy.

LAURA V. DEVALIN,

English Literature, Composition, Mental Philosophy.

ELIZA E. NICOLAI,

Natural Philosophy, Composition, Astronomy.

M. MATILDA MULLIN,

Drawing.

LEONORA E. CARPENTER,

History, Composition.

SUE M. LOHRFINCK,

Elocution, Composition, Physiology.

MARY C. BASIL,

Composition, Algebra, Geometry.

KATE M. LEWIS,

Algebra, Composition, History.

THEODOCIA B. MAHON,

Algebra, Composition, Geometry.

MARGARET GARRETT,

Composition, Literature, Latin.

ANNA B. DIETRICHS,

German.

MARGARET D. KELLUM,

Latin.

J. HARRY DEEMS,

Music.

GRADUATES.

Albrecht, Theresa G.
Armstrong, Clara
Baldwin, Mattie E.
Barton, Cornelia A.
Baumgarten, Mamie
Billmeyer, Maud M.
Black, Lillian M.
Brown, Elizabeth V.
Buchanan, Mary
Bump, Georgia H.
Childs, Edith
Cooke, Irene
Diggs, Ellen
Dorsey, Bessie E.
Edel, Mary B.
Fullwood, Bertie B.
Gage, Grace F.
Gilmour, R. Jennie
Gisriel, Emma
Gordon, Edith V.
Gruss, Pauline
Hall, Bertie M.
Hamel, Lily E.
Handly, Edith M.
Harms, Carrie S. E.
Hess, Mary R.
Hesse, Emma E.
Holtzmann, Louise
Horstmeier, Meta E.
Hufnagel, Julia F. A.
Hunt, Virginia P.
Johns, Rozella E.
Kegan, Annie E. C.
Kennedy, A. Grace
Lee, Helen R.
Lentz, Mary E. G.
Lewis, Bertha M.
Louis, Hilda
Lurmann, Bertha M.
Madison, Margaret
Marchant, A. Lillian
McCaddin, Gazelle M.
McCullough, Annabel
McLeod, Alice L.
Momenthy, Ida
Morris, Clara J.
Muesse, Katherine F. I.
Mullikin, Nettie S.
O'Connell, Sarah E.
Onion, Agnes E.
Onion, Sarah R.
Paine, Caroline H.
Parks, Rebie C.
Price, Edith N.
Reinhardt, Emma V.
Revelle, L. Pearl,
*Robinson, Elizabeth A.
Russell, Alice E.
Schertlen, Laura E.
Sherman, Edith M.
Shutze, Nellie G.
Simonds, Anna A.
Smith, Ada
Smith, Kate S.
South, Eleanor J.
Swormstedt, Martha
Turner, Bessie A.
Vickers, Ada V.
Wells, Annie G.
White, M. Louisa
Wilcox, Lillie M.
Wilson, Charlotte
Winter, Annie
Wiseman, Bertha

RECIPIENTS OF PEABODY PRIZES.

FIRST GRADE.

Julia F. A. Hufnagel, Virginia P. Hunt, Carrie S. E. Harms,
Grace F. Gage, Meta E. Horstmeier.

SECOND GRADE.

Georgia H. Bump,
Hilda Louis,
Louise Holtzmann,
A. Grace Kennedy,
Laura E. Schertlen,
Mary E. G. Lentz,
Katherine F. Muesse,
Bertha M. Lurmann,
A. Lillian Marchant,
Lillian M. Black.

ADDITIONAL NUMBER RECEIVING TICKETS TO PEABODY LECTURES.

Elizabeth V. Brown,
Maud M. Billmeyer,
Eleanor J. South,
Irene Cooke,
Emma E. Hesse,
Gazelle McCaddin,
Clara Armstrong,
Bertie M. Hall,
Mary R. Hess,
Edith M. Sherman.

*Miss Elizabeth A. Robinson stands fourteenth in her class, but not having taken the full course of four years, is excluded from receiving a Peabody Medal.

ROLL.

Number of pupils on roll December 31, 1893	446
Admitted from public schools by promotion	162
Admitted from private schools by examination	3
Admitted by transfer	2
Total number in school during the year	613
Average enrollment	437
Average attendance ($93\frac{6}{10}$ per cent)	410
Number withdrawn during the year	91
Number graduated	74
Number now on roll	448

Class Recitations.

RECITATIONS MADE EACH WEEK BY DIFFERENT CLASSES.

L, M.—Mental Philosophy, 3; Trigonometry, 3; History, 2; Elocution, 1; Drawing, 2; Music, 2; Composition, 1; Astronomy, 3; German, 3; Latin, 5—25.

H, I, K.—English Literature, 2; Elocution, 1; Algebra, 2; History, 2; Geometry, 3; Book-keeping, 2; Drawing, 2; Music, 2; Composition, 1; German, 3; Latin, 5—25.

E, F, G.—Algebra, 3; Composition, 2; Drawing, 2; Elocution, 1; Geometry, 3; German, 3; History, 2; Literature, 3; Natural Philosophy, 2; Vocal Music, 2; Latin, 2—25.

A, B, C, D.—Literature, 3; Elocution, 1; Algebra, 5; Natural Philosophy, 3; Drawing, 2; Music, 2; Composition, 2; History, 2; Physiology, 2; Geometry, 3—25.

COURSE OF STUDY

—IN THE—

FEMALE HIGH SCHOOLS.

FIRST YEAR.

Algebra,
Composition,
Drawing,
Elocution,
Geometry,
History,
Literature,
Natural Philosophy,
Physiology,
Vocal Music.

SECOND YEAR.

Algebra,
Composition,
Drawing,
Elocution,
Geometry,
German,
History,
Latin,
Literature,
Natural Philosophy,
Vocal Music.

THIRD YEAR.

Algebra,
Book-keeping,
Composition,
Drawing,
Elocution,
Geometry,
German,
History,
Latin,
Literature,
Vocal Music.

FOURTH YEAR.

Astronomy,
Composition,
Drawing,
Elocution,
German,
History,
Latin,
Mental Philosophy,
Trigonometry,
Vocal Music.

Papers Relating to the Western Female High School.

FACULTY.

ANDREW S. KERR, Principal,
Latin, Trigonometry.

PAMELA A. HARTMAN,
English Literature, Mental Philosophy, Composition.

SARA S. RICE,
Elocution, Literature, Composition.

JANE S. WILLIAMS,
Algebra, Astronomy, History, Composition.

EMMA COWMAN,
Natural Philosophy, Literature, Physiology, Composition.

HENRIETTA C. ADAMS,
History, Composition.

LOUISA C. SAUMENIG,
Geometry, Book-keeping, Composition.

ANNA P. TUDOR.
Latin, Geometry.

ANNIE O. SOLLERS,
Geometry, Natural Philosophy, Literature, Composition.

MARY H. THOMIZ,
Physiology, Algebra, Composition.

BESSIE G. THOMSON,
Algebra, History, Drawing, Composition.

FRANCES RUTTER,
Geometry, Natural Philosophy, History, Composition.

ELIZA J. DAVIS,
Drawing.

FRANCES A. CASPARI,
German.

JOHN G. WEHAGE,
Vocal Music.

GRADUATES.

Addison, Mamie V.
Adler, Edith
Angermann, Annie E.
Ashcom, Nellie V.
Bartholow, M. Grace
Bartlett, Jennie Price
Boone, Gertrude Lee
Christhilf, Katherine M.
Darden, Gertrude
Darden, Lucie Mabel
*Deems, Floribel
Delahay, Estella
Dixon, Leola
Duke, Eleanora
Dunn, Nellie L.
Farinholt, Lelia Lyons
Fisher, Elizabeth B.
Goldsmith, Flora
Gray, Bertha P.
Hammond, Mary E.
Harding, Lida
Haskell, Edna Noyes
Henderson, Cora E.
Herbert, Mary C.
Heuser, Lilla C.
Jarrett, Bessie E.
Kahn, Helen S.
Kirwan, Nellie R.
Kirk, M. Gertrude
Kleibacker, Bessie Edna
Messersmith, Ida G.
Milbourne, Katherine M.
Milliron, Rosa A.
Morris, Amelia J. B.
Mylander, Katie E.
Nicholson, Bessie A.
Norwood, Belle G.
Oliver, Lois
Peirson, Helen H.
Pettit, Emma F.
Rea, Katie McElroy
Richards, Georgia M.
Robins, Maude
Rosenfeld, Florye
Schad, Emma F.
Schleunes, Ella
Sindall, Edith G.
Smith, Hattie E.
Sohl, F. Estelle
Spencer, Emma R.
Thomas, Isabella T.
Thomason, Lidie Lee
Tottle, J. May
Waidner, Emma M.
Walker, Mamie E.
Wells, Helen Conaway
White, Leila Mabel
Worley, Helen J.
Young, L. May

RECIPIENTS OF PEABODY MEDALS.

First Grade.

Helen J. Worley,
Katie E. Mylander,
Leola Dixon,
Bertha P. Gray,
Margaret G. Kirk.

Second Grade.

B. E. Kleibacker,
Katie McElroy Rea,
Emma M. Waidner,
Jennie P. Bartlett,
Estella Delahay,
Lida H. Harding,
M. Grace Bartholow,
Edith Adler,
A. E. Angermann,
Lelia L. Farinholt.

ADDITIONAL NUMBER RECEIVING TICKETS TO LECTURES AT PEABODY INSTITUTE:

Lois Oliver,
Lidie L. Thomason,
Mamie E. Walker,
Nellie R. Kirwan,
Edna N. Haskell,
Helen S. Kahn,
Emma A. Schad,
Florye Rosenfeld,
Lilla C. Heuser,
Ella Schleunes.

*Miss Floribel Deems, by her graduating average, stands fourteenth in her class, but not having passed through the four consecutive years of the course, is thereby excluded from receiving the Peabody Prize to which she would otherwise be entitled.

STATISTICS.

Grammar school pupils recommended for admission in June	313
" " " examined for admission in June	12
" " " admitted after examination	1
Private " " examined for admission in September	7
" " " admitted after examination	4
Grammar " " who failed to enter in September	53
Transferred to Eastern High School	3

ROLL AFTER ORGANIZATION, SEPTEMBER, 1894.

Returned after summer vacation	364
Re-entered	6
Admitted from grammar schools	260
" " private schools	4
" by transfer from Eastern High School	7
Total	641

CHANGES IN THE NUMERICAL CONDITION OF THE CLASSES.

	4th Year.	3d Year.	2d Year.	1st Year.	Total.
On roll December, 1893	59	82	121	268	530
" June, 1894	59	80	106	223	468
Graduated June, 1894	59	...	....	....	59
On roll September, 1894	76	74	185	306	641
" December, 1894	75	73	183	279	610

Average number of pupils on roll during the year	544
" attendance of pupils during the year	521
" percentage of attendance	95.7

Amount of tuition fees collected from non-resident pupils $160 00

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

M^1 AND M^2 CLASSES.—Astronomy, 3; Composition, 1; Drawing, 2; Elocution, 1; German, 3; History, 2; Music, 2; Mental Philosophy, 3; Trigonometry, 3; Latin, 5.

L AND K CLASSES.—Algebra, 2; Book-keeping, 2; Composition, 1; Drawing, 2; Elocution, 1; Geometry, 3; German, 3; History, 2; Literature, 2; Music, 2; Latin, 5.

I, H AND G CLASSES.—Algebra, 3; Composition, 2; Drawing, 2; Elocution, 1; Geometry, 3; German, 3; History, 2; Literature, 2; Physics, 3; Music, 2; Latin, 2.

F, E, D, C, B AND A CLASSES.—Algebra, 5; Composition, 2; Drawing, 2; Elocution, 1; History, 2; Literature, 3; Physics, 3; Physiology, 2; Music, 2; Geometry, 3.

Papers Relating to Colored High School.

FACULTY.

GEORGE LEWIS STALEY, Principal,
Latin, Mental Philosophy, Moral Science, Astronomy, Etymology.

BESSIE L. RICE,
Elocution, Literature, Trigonometry, Composition, Latin, Music.

MARY E. HUDGINS,
Rhetoric, Grammar, Composition, Latin.

NELLIE M. O'CONNOR,
Algebra, Book-keeping, Arithmetic, Literature, Geometry.

KATIE L. FLYNN,
History, Natural Philosophy, Etymology, Physiology, Grammar.

OLIVIA F. KEACH,
Drawing.

GRADUATES.

Campbell, Laura
Harris, Henry B.
Langley, Estelle
Lee, William H.
Murphy, Frances
Martin, Mary
Pratt, Harry T.
Spriggs, Susan
Thompson, Emma
Tompkins, Nellie
Watkins, Cecelia

ROLL.

Number of pupils on roll December 31, 1893....	104
Admitted from public schools	44
" " private "	1
Re-entered	1
Admitted by transfer.....	0
Total number in school during the year.....	150
Number withdrawn during the year.....	0
Number graduated	11
Number now on roll.....	139

Class Recitations.

Recitations Made Each Week by the Different Classes.

Fourth Year.—Mental Philosophy, 2; Trigonometry, 2; History, 2; Literature, 2; Grammar, 2; Elocution, 2; Drawing, 1; Latin, 3; Music, 1; Composition, 2; Astronomy, 2; Moral Science, 1; Algebra, 2; Study, 1—25.

Third Year.—Natural Philosophy, 2; Literature, 2; Rhetoric, 2; Elocution, 1; Algebra, 2; History, 3; Geometry, 2; Drawing, 1; Latin, 3; Music, 1; Composition, 1; Grammar, 2; Book-keeping, 2; Study, 1—25.

Second Year.—Algebra, 2; Arithmetic, 1; Composition, 1; Drawing, 1; Latin, 3; Geometry, 2; History, 3; Literature, 3; Natural Philosophy, 2; Rhetoric, 2; Music, 1; Etymology, 1; Grammar, 2; Elocution, 1—25.

A and B Classes.—Etymology, 2; Literature, 2; Elocution, 1; Algebra, 2; Arithmetic, 2; Physiology, 1; Natural Philosophy, 2; Drawing, 1; Music, 1; Composition, 1; History, 3; Latin, 4; Grammar, 2, Study, 1—25.

COURSE OF STUDY

— IN THE —

COLORED HIGH SCHOOL.

FIRST YEAR.

Etymology,
Literature,
Elocution,
Algebra,
Arithmetic,
Physiology,
Natural Philosophy,
Drawing,
Music,
Composition,
History,
Latin,
Grammar.

SECOND YEAR.

Algebra,
Composition,
Latin,
History,
Rhetoric,
Music,
Arithmetic,
Drawing,
Geometry,
Literature,
Natural Philosophy,
Etymology,
Grammar,
Elocution.

THIRD YEAR.

Literature,
Rhetoric,
Algebra,
History,
Drawing,
Music,
Natural Philosophy,
Elocution,
Geometry,
Latin,
Composition,
Grammar,
Book-keeping.

FOURTH YEAR.

Mental Philosophy,
History,
Literature,
Grammar,
Latin,
Composition,
Moral Science
Trigonometry,
Algebra,
Elocution,
Drawing,
Music,
Astronomy.

Papers Relating to Colored Manual Training School.

FACULTY.

Acting Principal,

WILLIAM R. RYAN,

DRAWING AND ENGINEERING.

First Assistant,

SAMUEL T. LESTER,

HIGHER MATHEMATICS AND ENGLISH.

Instructor in Academic Department,

HARVEY W. NORTH,

SCIENCE AND ENGLISH.

Instructor in Wood-Working,

CHARLES J. P. SCHMIDT,

CARPENTRY, PATTERN-MAKING AND WOOD-TURNING.

Instructor in Metal Department,

JOHN E. AULD,

FORGE SHOP.

Instructor in Metal-Working,

FRANK W. WATERMAN,

MACHINE SHOP AND FINISHING.

THE COURSE OF STUDY.—(General.)

The complete course of study covers three years, and the school time of the students is about equally divided between mental and manual exercises. One hour per day is given to drawing, two hours to shop work and two and a-half hours to the usual academic studies.

The course of study embraces five parallel lines, as follows:

First—A course in English Language and Literature; Composition, U. S. Constitution and Civil Government, and Ancient and Modern History.

Second—A course in Science and applied Mathematics, including Geology, Physics, Chemistry, Physiology, Mensuration, Book-Keeping, Commercial Business, Type-writing and Engineering.

Third—A course in pure Mathematics, including Arithmetic, Algebra, Geometry and Trigonometry.

Fourth—A course in Free Hand, Architectural and Mechanical Drawing, Designing and Penmanship.

Fifth—A course of tool instruction, including Carpentry, Wood-carving, Wood-turning, Pattern-making, Moulding, Soldering, Brazing, Vise and Machine-shop work, Care and management of steam engines and boilers, and Military drill.

ROLL.

Number of Students on roll December 31, 1893...	87
Number of students admitted from public schools Number of students admitted from private schools	50
Total number in school during the year.....	137
Number withdrawn during the year.....	39
Number now in school.....	98
Percentage of attendance for the year.....	87

Grades for Primary Schools.

[September, 1885—as Amended to April, 1895.]

FIRST GRADE—FIRST YEAR.

READING.—First half year.—Use objects or pictures, blackboard, slates, Fisher's card and reading chart. From the beginning lead the pupils to associate words with the things, qualities, or actions of which they are the representatives. First present the object to their attention, and then the word that names it. After a few simple words have been learned in this way, combine each object-word with other simple words to form sentences which the pupils are to be taught to read. Continue this exercise with a series of simple object-words. In all new sentences present repetitions of word-forms previously learned and introduce new words gradually. Teach writing from the first, beginning with small letters of the simplest forms, as wholes, and afterward combining the letters to form simple words. Give much repetition in new combinations of letters previously learned. Use the reading chart after the written forms of a few words have been thoroughly taught. Begin with script instead of printed words.

Second half year.—Swinton's Primer and First Reader. Supplementary reading to repeat word-forms in new sentences. Continue to practice writing words and sentences and reading them. In this and all subsequent reading work take special care to see that the thought to be expressed is in the mind of the pupil before requiring him to read aloud. Insist upon a distinct and audible utterance, and correct pronunciation. Pupils must not be permitted to acquire the habit of drawling or reading disjunctively. Teach them to see whole phrases and to speak them as wholes. The articles *a*, *an* and *the* and the unemphasized little words *in* and *to*, etc., should be pronounced as unemphasized prefixes. For example, *a float*, *a boat*, should be spoken as single words, like *afloat*, *about*, etc. Never allow the too common fault of hesitating in learning to read. Make the pupils familiar with the matter of each reading lesson by conversation and explanation, so as to lead them to read it at sight. To this end the new words of each lesson should be written on the blackboard and fully explained. The pupils should also be required to copy them into sentences before allowing them to read the lesson. Oral spelling from the reading lesson.

ARITHMETIC.—First half year.—Teach numbers from one to twenty. Second half year.—Teach to one hundred. Develop the *idea* of number, as wholes: with objects, numeral frame, marks, etc. While doing this do not at first permit the pupil to *count* unless the objects to be counted are actually present. Treat each number above 1 with all possible combinations of the preceding numbers to produce it by adding, and with its separations by subtracting them from it—

First. With objects, numeral frame, marks, etc., without figures.

Second. With objects and figures.

Third. Mentally with abstract numbers.

Fourth. With simple practical examples.

Train the pupils to recognize the number at sight without conscious effort at counting, as they recognize the words, *day*, *man*, etc. Encourage the children to talk, but require their answers to be full and complete sentences.

Miscellaneous examples for rapid solution by adding and subtracting.

Appleton's First Lessons in Arithmetic to be used in oral teaching in all the grades. Follow closely the methods of the author, intended to develop arithmetical knowledge.

SLATE WORK.—First half year.—Addition, the result to be no greater than 20; second half year, no greater than 100. Teach coins from one cent to twenty, inclusive; pint; quart; inch.

In advanced classes of this grade, the teacher is expected to carry the pupils as far as the condition of the class will warrant. Such a class, properly graded, should be able to accomplish the work of the first half-year of the second grade.

LANGUAGE.—Purpose: to accustom pupils to express what they know in correct forms of speech. Oral exercises from objects and pictures connected with the reading and observation lessons, including the lessons in numbers and whatever the ingenuity of the teacher may suggest.

PENMANSHIP.—Begin with the thirteen small letters, combining them into short, easy words. Be careful that the copies set are in good writing. After the pupils are able to write fairly well, exercise them in copying easy sentences. Require them to read what they have written. The idea of form and symmetry is to be required at this point, rather than the making of nice lines. The copying of printed forms from books as an exercise must not be allowed.

DRAWING.—One hour per week. The position of points, then of straight lines, with the names and shapes of the simplest geometric forms, and the drawing of objects based on these forms, also the bisection of lines.

MUSIC.—New American Music Reader No. 1. Through page 12.

SECOND GRADE—SECOND YEAR.

Reading and Spelling.—Swinton's Second Reader. Supplementary reading. Exercises in articulation and pronunciation. Written and oral spelling from the reading lessons. A few short pieces of suitable poetry carefully learned and frequently recited. Require the pupils to write the words before spelling them orally by letters. Accustom pupils in written spelling to recognize all the characters in the word-forms, such as the *apostrophe*, etc. Require them to memorize the alphabet as an acquisition for future use. Observe directions in previous grade.

Arithmetic.—Combinations and separations of numbers to one thousand. Adding, subtracting and multiplying—

First. Without figures.

Second. With figures, using no amounts or minuends greater than one thousand or multipliers greater than nine. Roman numerals to C.

Coins continued. Pint, quart, gallon. Pint, quart, peck and bushel. Hour, day, week, month and year. Dozen. Inch, foot and yard. Ounce and pound.

Slate Work.—Write and read numbers containing six figures. Addition, subtraction and multiplication with not more than three figures as a multiplier. Simple practical problems. Teach well the multiplication table through 9x12. Illustrate the construction of the table with objects, the numeral frame, etc. Give oral drills in rapid combinations of numbers.

Language.—Work of first grade continued. Short stories told or read to the pupils, and reproduced by them orally. Pupils to give expression to thoughts suggested by objects and pictures or by observation lessons.

Penmanship.—First half year.—Review the writing of the small letters, and teach the writing of all the capitals and all the marks of punctuation. Give daily practice in writing words and sentences taught in the language and reading lessons. Give exercises in writing from dictation and transforming printed language into script. Accept no careless work.

Second half year.—Practice in movements of the arm, hand and fingers with the pen held correctly, using suitably ruled copy-books for such work—

First. Copying from the blackboard or from slips.

Second. Writing selections in script from the reading book.

Third. Words, phrases, sentences and short stories from dictation.

Drawing.—One hour per week. Books with straight line designs are provided, additional forms taught, with the trisection of lines.

Music.—New American Music Reader No. 1. Through page 20.

THIRD GRADE—THIRD YEAR.

READING.—Swinton's Third Reader. Exercises in articulation and pronunciation. Written and oral spelling selected from the American Educational Reader No. 3. A few appropriate selections of poetry carefully read, learned and frequently recited. Observe directions in previous grades.

ARITHMETIC.—The text book in this grade is to be used for *reading* and *thinking* as well as for drill work.

Writing and reading integers to and including millions. Miscellaneous exercises in addition, subtraction, multiplication and division of integers. In long division the divisor not to exceed four figures.

Multiplication table reviewed and continued through 12x12. Roman numerals to M, and ordinal numbers as needed in connection with the reading and other lessons.

Coins previously studied and paper currency. Second, minute, hour, day, week, month and year. Time of day by the clock. Units of dry and liquid measure previously studied, thoroughly reviewed. In this grade the ground rules—addition, subtraction, multiplication and division—thoroughly reviewed; collateral practice with exercises for rapid execution—adding columns of figures, etc.

PENMANSHIP.—Practice in movements of the arm, hands and fingers with the pen held correctly. Use practice paper one hour a week. One writing book or its equivalent, completed each half year. Copying from the blackboard. Writing selections and dictation exercises in blank books.

LANGUAGE.—Work of second grade continued with oral and written exercises; short stories read silently and then reproduced orally and in writing; stories written from pictures; letter writing begun.

GEOGRAPHY.—Second half year.—Give conversational lessons on plants, animals, people of different countries and climates, traveling by land and water, etc. Teach the natural divisions of land and water. Cardinal points of the compass. Names of the hemispheres, continents, oceans and grand divisions. General idea of our own country, state and city. Make the study interesting to the pupils, and endeavor by all means to create in their minds clear conceptions of geographical terms. Use the lessons of the book as reading and thinking lessons. All terms and definitions should be learned with accuracy after they are clearly understood. Examination in this study taken from sections (1) Direction, (2) Distance and Measuring, (3) Using a Scale, (4) Natural Divisions, (5) Township, City Schools, (6) Climate, (10) Occupations of Men, (11) Government, and (13) Shape of the Earth.

Drawing.—One hour per week. The circle and its parts, the ellipse and oval with flat copies and object lessons based upon the above forms.

Music.—New American Music Reader No. 1. Through page 33.

Sewing.—First half year.—Practice correct position, thimble exercise, holding the needle, holding the work, moving and threading the needle, making a knot, using scissors. Stitching canvas, using chenille needle and split zephyr. Basting, running, back stitching, overcasting, hemming, seaming.

Second half year.—Instruction about implements and materials for sewing. Inch measure. Review, practical work, using colored cotton and sewing needle.

In all the grades make a list of words that pupils most frequently mispronounce, and drill them in their correct pronunciation; also give frequent and thorough drill upon words containing the vowel sounds properly grouped and arranged.

Particular attention should be paid to addition in all the grades. See that pupils perceive readily the sum of integers without resorting to the counting process.

Lessons to develop ideas of—

(1) *Color.*—Red, orange, yellow, etc.
Form.—Sphere, cylinder, cube, etc.
Place.—On, above, under, before, etc.
Size.—Large, small, great, little, etc.
Qualities of objects.—Rough, smooth, sweet, etc.

(2) *Lessons on the human body.*—Parts, use and movement, etc.

(3) *Familiar plants.*—Flower, leaf, stem, root, etc.
Animals.—Cat, dog, horse, cow, etc.
Things.—Objects in the school-room, etc.

The lessons on this subject should be purely oral, with conversational illustrations. One hour a week, at such times as may be most suitable.

Principals are authorized and expected to promote to higher grades during the year such pupils as shall evince ability to pursue the studies of the higher grades.

In this course of study more attention should be given to language and reading than to abstract work; and it is expected that principals will see that their assistants understand and follow closely the directions given in the present schedule.

The perceptive faculties should be brought into prominent exercise, as this is the law of childhood and youth. The disposition to discover impels them to activity. Hence the teacher, to be successful with children, must accustom them *to do* and discover for themselves. Train the eye to see, the ear to hear, the hand to do, and through these the mind to think.

Grades for Grammar Schools.

[September, 1886—As Amended to April, 1895.]

FOURTH GRADE—FOURTH YEAR.

Language.—Newell's Third Reader. At least five exercises of an hour each per week. Spell the words contained in the first half of Newell's Third Reader. Composition at least once a week—mistakes carefully corrected and explained. Letter-writing. Capitalization and punctuation. Correction of faulty expressions (oral and written), and mispronunciations. Develop a knowledge of the parts of speech, the subject nominative, the predicate verb, and the object of verbs and prepositions, through the study of the simple sentence. Supplementary reading. One writing-book or its equivalent, completed each half year. Recitation of appropriate selections.

History.—First half of Eggleston's First Book of American History.

Arithmetic.—Written and mental. Addition, subtraction, multiplication and division of U. S. money (no decimal divisors or multipliers). Denominations, *in common use*, of dry measure, long measure, liquid measure, and time, with examples involving their practical application. Common fractions to multiplication. Endeavor to make pupils quick and accurate in working examples in the simple rules.

Geography.—Elementary, New England States and North America. Draw, from memory, map of North America. Frequent drills upon the outline maps.

Drawing.—One hour per week. Review the work of the preceding years—more attention being given to accuracy of form and finish.

Music.—New American Music Reader No. 2. Through page 28.

Sewing.—Develop the cotton plant from the sowing of the seed to the manufacture of cloth. History of the cotton gin. Names of the threads in all woven fabrics. Review work of preceding grade, using half-bleached cotton cloth, with red and blue cotton, the blue marking the improvement in the work. Basting, running, stitching, hemming, overcasting, overhanding.

Science.—Dulany's Health Primer. To be used as a supplementary reader.

FIFTH GRADE—FIFTH YEAR.

LANGUAGE.—Newell's Fourth Reader. At least five exercises of one hour each per week. Supplementary reading. Spell the words in the speller from page 15 to page 31. Special attention to be given to correct forms of speech, both spoken and written. Exercises in composition, letter-writing, etc., the same in kind as those of the fourth grade, adapted to the capacity of the pupils of this grade—mistakes carefully corrected and explained. Continue the development of a knowledge of the parts of speech, through the study and analyzation of the simple sentence. Conjugation of verbs, in the indicative mode, active voice, simple form. Declension, person and number. Pupils of this grade should understand the use of capitals, periods, the question mark, quotation marks, and should have some knowledge of the use of the comma and the apostrophe. One writing book, or its equivalent, completed each half year. Recitation of appropriate selections.

HISTORY.—Second half of Eggleston's First Book of American History.

ARITHMETIC.—Written and mental. U. S. money. Common fractions and decimals. Continue the exercises involving the tables studied in the fourth grade. Explain at the blackboard how the common denominations of square measure are derived from those of long measure, and teach the denominations of square measure *in common use* with simple examples involving their practical application. Frequent practice in the four rules, especially addition.

GEOGRAPHY.—Elementary. Middle Atlantic States, United States, South America. Draw, from memory, maps of Maryland and South America. Frequent drills upon the outline maps.

SCIENCE.—Dulany's Physiology. To be used as a supplementary reader.

DRAWING.—One hour per week. The simplest "working drawings" introduced, and more attention given to sketching leaves and fruit from nature, with the first steps in original design suggested.

MUSIC.—New American Music Reader No. 2. Pages 29-36, and Keys of G. & D.

SEWING.—Patching, stocking darning, resoling stockings, hemming gatners and half-back stitch gathers to bands, tucking, gathering, placket, band.

SIXTH GRADE—SIXTH YEAR.

LANGUAGE.—Newell's Fourth or Fifth Reader. History of Maryland. Supplementary reading. At least five exercises, one hour each, per week. Spell the words in the speller from page 31 to page 46. The work of the fifth grade in composition continued, mistakes carefully corrected and explained. Special attention to be given to correct forms of speech, both spoken and written. The study and analysis of simple and complex sentences. The gender, person, number, and case of nouns and pronouns; the classes of nouns and pronouns; the comparison of adjectives and adverbs; the voice, and conjugation of verbs. Punctuation. One writing-book or its equivalent, completed each half year. Recitation of appropriate selections.

HISTORY.—Eggleston's History of the United States to chapter XXIII.

ARITHMETIC.—Written and mental. Compound numbers. Explain at the blackboard and by cubes how the common denominations of cubic measure are derived from those of long measure. Teach the pupils to perform with ease and accuracy operations in the simple rules and fractions. Practical examples involving the rules taught.

ALGEBRA.—To page 46, section 80.

GEOGRAPHY.—Higher. Southern States. Central and North Central States. Europe. Draw from memory maps of Maryland and Europe. Frequent drills upon the outline maps.

SCIENCE—Dulany's Physiology. One lesson a week. Teach the portions relating to hygiene and the nature of narcotics and alcoholic stimulants.

DRAWING.—One hour per week. More attention is given to construction, and from these drawings the objects are made of paper or wood.

MUSIC.—Review previous keys, and teach keys of A and E.

SEWING.—Felling. Buttonholes, loops and eyelets. Tear darning. French hem. Buttonholes and buttons.

SEVENTH GRADE—SEVENTH YEAR.

LANGUAGE.—Newell's Fifth Reader, and the History of Maryland. Spell the words in the speller from page 46 to page 61. Supplementary reading. Constitution and Bill of Rights of Maryland to be used as supplementary

reading at least once in two weeks. Reading compositions and other written exercises. Work of the preceding grades in composition continued. Business letters. The study and analysis of simple, complex and compound sentences. Properties of the parts of speech continued: voice, mode, tense and the use of auxiliaries. Principles of syntax explained and illustrated. Paragraphing. Special attention to the correct forms of speech, both spoken and written. Punctuation. One writing-book, or its equivalent, completed each half year. Making out bills. Recitation of appropriate selections. Declamation.

HISTORY.—Eggleston's History of the United States to chapter XXXVII, reviewing sixth grade.

ARITHMETIC.—Written and mental. Percentage, profit and loss, interest, ratio and proportion, discount and partnership. Practical business examples involving the rules which have been taught.

ALGEBRA.—To page 135.

GEOGRAPHY.—Rocky Mountain and Pacific States. Europe reviewed. Africa. Draw, from memory, maps of Maryland and Africa. Frequent drills upon the outline maps.

SCIENCE.—Dulany's Physiology. One lesson a week.

DRAWING.—One hour per week. Parallel perspective is taught in addition to construction and surface decoration.

MUSIC.—Review previous keys, and teach keys of F and B♭.

SEWING.—Gussets. Gores. Bias-cutting and piecing. Facing. Plaiting. French gathers. Overhand gathers to band. Hooks, eyes and loops. Inserting.

EIGHTH GRADE—EIGHTH YEAR.

LANGUAGE.—Newell's Sixth Reader and the History of Maryland. Supplementary reading. Constitution of the United States and the Declaration of Independence to be used as supplementary reading at least once in two weeks. Reading original compositions. Work of the seventh grade in composition continued. Outlines prepared for original composition. The study and analysis of sentences continued. Properties and inflections of words. Principles of syntax. Paragraphing. Special attention to the

correct forms of speech, both spoken and written. Common roots, prefixes and suffixes, and compounds. Exercises in writing to be connected with book-keeping and composition. Recitation of appropriate selections. Declamation.

HISTORY.—Complete Eggleston's History of the United States, reviewing the sixth and seventh grades.

ARITHMETIC.—Written and mental. Finish the book, giving particular attention to the subjects taught in the preceding grades, and the following: Commission and brokerage, involution, evolution, mensuration (in connection with this subject review square and cubic measure), single entry book-keeping.

ALGEBRA.—Teach through quadratic equations.

GEOMETRY.—To book V, omitting book III.

GEOGRAPHY.—Asia, Oceania and Maryland. Draw, from memory, maps of Maryland and Asia. Frequent drills upon the outline maps.

SCIENCE.—First half year—Physics to acoustics. Second half year—Dulany-Martin's Human Body.

DRAWING.—One hour per week. Angular, perspective and geometric work added to the subjects previously taught.

MUSIC.—Review previous keys; teach keys of E*b* and A*b*, and pieces in one, two and three parts.

SEWING.—Ornamental stitching—hem, herring-bone, feather, chain, Kensington outline, blanket, tapestry. Button-holes in cloth. Cloth darning.

GRADES IN GERMAN

—FOR THE—

ENGLISH-GERMAN SCHOOLS.

[March, 1886—As Amended to April, 1895.]

NOTE.—An order of the Board provides for the gradual substitution of the Eclectic series for the Goebel. The classes using the Eclectic are expected to use those parts of the book corresponding as closely as possible to the gradation of the Goebel series.

FIRST GRADE—FIRST YEAR.

READING AND SPELLING (oral).—Goebel's First Reader, pages 1 to 24 (No. 47) inclusive.

WRITING.—Copy script letters, words and sentences from the blackboard.

LANGUAGE.—Refer to corresponding English grade.

MEMORIZING.—Appropriate selections.

SECOND GRADE—SECOND YEAR.

READING.—Goebel's First Reader, from page 24 to end. No. 14 (first division) and No. 3 (second division) optional.

SPELLING.—Goebel's First Reader, from page 27 to 48 inclusive.

LANGUAGE.—Refer to corresponding English grade.

MEMORIZING.—Appropriate selections.

THIRD GRADE—THIRD YEAR.

READING.—Goebel's Second Reader, pages 1 to 74 inclusive.

SPELLING.—Goebel's Second Reader, pages 1 to 39 inclusive.

LANGUAGE.—Refer to corresponding English grade.

TRANSLATION.—Exercises on pages 92-96.

MEMORIZING.—Appropriate selections.

PENMANSHIP.—Taught in connection with written exercises.

FOURTH GRADE—FOURTH YEAR.

READING.—Goebel's Third Reader, pages 1 to 76 inclusive.

SPELLING.—Goebel's Third Reader, pages 1 to 47 inclusive.

TRANSLATION.—Exercises on pages 103-107.

GRAMMAR.—The five declensions of nouns; comparison of the descriptive adjective and its declensions (in the pos. degree), when preceded by the article or a demonstrative or possessive adjective.

LANGUAGE.—Refer to corresponding English grade.

FIFTH GRADE—FIFTH YEAR.

FIRST HALF YEAR.

READING.—Kreis IV, pages 1-60.

TRANSLATION.—Exercises under IV, pages 1-21.

GRAMMAR.—Declensions of adjectives finished, declension of personal pronoun; conjugation of ,,sein,'' ,,haben,'' ,,werden,'' (indicative), and prepositions governing the dative.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with written exercises.

SECOND HALF YEAR.

READING.—Kreis IV, page 61 to end.

TRANSLATION.—Exercises under IV, pages 21-41.

GRAMMAR.—Review the preceding grades. Teach declension and use of relative and interrogative pronouns, entire conjugation of the auxiliaries and regular verbs, prepositions governing the accusative.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with written exercises.

SIXTH GRADE—SIXTH YEAR.

FIRST HALF YEAR.

READING.—Selections from Kreis V.

TRANSLATION.—From Kreis V, part second to page 123.

GRAMMAR.—Review. Teach separable, inseparable, reflective, impersonal and irregular verbs. Prepositions with genitive and dative, or accusative. Simple sentences.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Teach from written exercises.

SECOND HALF YEAR.

READING.—Selections from Kreis V.

TRANSLATION.—From Kreis V, second part to page 134 inclusive.

GRAMMAR.—Review preceding grades. Easy compound and complex sentences.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—To be taught daily in connection with all written exercises.

SEVENTH GRADE—SEVENTH YEAR.

FIRST HALF YEAR.

READING.—Selections from Kreis VI, pages 1–65.

TRANSLATION.—From second part of Kreis VI, pages 128–141 (omitting lessons 13, 18, 19).

GRAMMAR.—Review. Complex sentences continued; compound sentences; punctuation.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

SECOND HALF YEAR.

READING.—Selections from Kreis VI, pages 65–127.

TRANSLATION.—From second part of Kreis VI, pages 141–155 (omitting lessons 28–33).

GRAMMAR.—Complex and compound sentences continued. Order of words in sentence. Punctuation.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

EIGHTH GRADE—EIGHTH YEAR.

FIRST HALF YEAR.

TRANSLATION.—From second part of Kreis VII, lessons 1, 2, 3, 5, 8, 11, 12, 14, 15, 17, 18, 23.

GRAMMAR. — Analysis — substantive, adjective and adverbial clauses. Review.

RECITATION.—Appropriate selections from Kreis VII. (Lyric and Epic Poetry, pages 125–154).
N.B.—A short sketch of the author's life should be given by the teacher.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

SECOND HALF YEAR.

TRANSLATION.—Kreis VII, from lessons 25, 29, 31, 37, 39, 66, 69, 72, 78, 81, 82, 84, 87.

GRAMMAR.—General review. Rendering of the English Participle, modal auxiliaries and their English equivalents, passive voice, etc.; e. g.—"No

stopping here!" "It is to be hoped he will pass his examination." "They spoke of his owing them a large sum of money." "I was followed." "He is to be induced to sign the note." "What are you going to do with it?" etc., (c. f. pp. 231, 233 of reader.)

READING.—Selections from Kreis VII.

RECITATION.—(German drama, etc). Models on pp. 148-154, Kreis VII.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

N.B.—Spelling is to be taught in each of the grades in connection with all written exercises.

LIST OF BOOKS

—— USED IN THE ——

PUBLIC SCHOOLS.

FOR BALTIMORE CITY COLLEGE.

Allen (F. D.)—Euripides' Medea.
Allen (W. F.)—Introduction to Latin composition.
Allen & Greenough—Ovid.
Alexander—Moral science.
Boise—Homer's Iliad (first six books).
Bolmar (A.)—French verbs.
Brandt—German grammar.
Bowser—Analytical geometry.
Chase (R. H.)—Maclean's Horace.
Chase & Stuart—Virgil's Æneid; Cæsar's Commentaries; Sallust (with lexicon); Cicero's orations, (with lexicon); and Livy.
Collier (W. F.)—History of the British Empire.
Crittenden—Blanks for new elementary book-keeping.
DeFivas—Elementary French Reader.
Dulany—Martin's elementary human body; and Bill of Rights and Constitution of Maryland.
Dana—Text book of Geology.
Eliot & Storer—Qualitative chemical analysis.
Ely—Political Economy.
Flagg—Demosthenes' Hellenic Orations.
Goodwin (W. W.)—Greek grammar; and Greek reader.
Gildersleeve—Latin grammar; Latin reader; New Latin primer; and Latin exercise book.
Gage—Elements of Physics.
Goethe—*Egmont*.
Herodotus—Book VII. (Butler).
Haven (J.)—Mental philosophy.
Hepburn—Manual of rhetoric.
Harrington (C. S.)—*Plautus*.

Heath—New German-English and English-German; and French-English and English-French dictionaries.
Joynes-Otto—Introductory German lessons.
Jones—Greek prose composition.
Johnston—United States History.
Joynes—Schiller's *Der Geisterseher*.
Kendrick—Xenophon's Anabasis, with vocab.
Keetel—French series.
Kendrick (J. B.)—Greek at sight.
Liddell & Scott—Greek-English lexicon (abridged).
Lessing—*Minna von Barnhelm* (students' classic German plays).
Lounsbury—English Language.
Lockyer—Astronomy.
Loomis (E.)—Calculus.
Lippincott—Gazetteer of the world, with supplement (sheep).
Myers & Allen—Ancient History, part I and part II.
Noel & Chapsal—French literature.
Olney—General geometry and calculus.
Packard—New manual of book-keeping and correspondence.
Prang—System of Drawing.
Quackenbos—First lessons in composition and rhetoric.
Raddatz—Schiller's *Neffe als onkel*.
Ray—New higher algebra.
Remsen—Organic chemistry; and Briefer course in chemistry (Am. Sci. Series).
Shepherd (H. E.)—History of the English language.
Shaw (T. B.)—New history of English Literature.
Spencerian—Copy books.
Sargent—Standard Speaker.
Tyler (W. S.)—Tacitus' histories.
Tomlinson—Latin for sight reading.
Upham—Mental philosophy (abridged).
Van Daell—Heine's *Die Harzreise*.
Voltaire—History of Charles XII.—(18 mo.)
White (J. W.)—First lessons in Greek.
Wilson (W.)—The State.
White (J. T.)—Latin-English and English-Latin Lexicon.
Whitney (W. D.)—Brief German grammar; William Tell; and Essentials of English grammar.
Westlake—How to write letters.
Wentworth (G. A.)—Plane and solid geometry (rev.); Plane and spherical trigonometry and surveying, with tables; and Surveying and navigation, with tables.

Webster—Dictionaries: International and High School.
Zacho—New American speaker.

FOR FEMALE HIGH SCHOOLS.

Adler—Progressive German reader.
Anderson (J. J.)—Manual of history; School history of England; School history of France; and Popular school history of U. S.
Boyd—Annotated poets: Milton; Thomson.
Brooks (E.)—Geometry and trigonometry.
Caswell & Ryan—Book II. (Barcarolle).
Crittenden—Blanks for new elementary book-keeping.
Dulany—Martin's elementary human body.
Eichberg & Sharland—Abridged Fourth Music Reader.
Harvey—Practical English Grammar.
Harvest Chorus Collection.
Joynes-Otto—Introductory German Lessons.
Lockyer—Astronomy.
Lippincott—Gazetteer of the world, with supplement (sheep).
Murdoch—Analytic elocution.
Norton (S. A.)—Elements of physics; and Natural philosophy.
Newell & Creery—Revised Fifth and Sixth Readers.
Packard—New manual of book-keeping and correspondence.
Prang—System of Drawing.
Ray—New elementary algebra.
Shaw (T. B.)—New history of English literature.
Upham—Mental philosophy (abridged).
Van Daell—Preparatory German Reader.
Van Daell & Schrakamp—German Book for Beginners.
Whitney (W. D.)—Brief German grammar.
Westlake—Common school literature.
Webster—Dictionaries: International and High School.
(*For Latin books see list for Baltimore City College.*)

FOR BALTIMORE POLYTECHNIC INSTITUTE.

Anderson—Manual of history (new).
Peck—Physics (Ganot).
Other books as required.

FOR THE COLORED HIGH SCHOOLS.

Chase & Stuart—Horace.
Quackenbos—Higher Arithmetic.
Webb—Model Etymology (new edition).
(*Other books, as required, from the lists for Baltimore City College and Female High Schools.*)

FOR THE GRAMMAR GRADES.

Appleton—Standard elementary geography; and Standard higher geography (Md. ed.)
Bibles (12 mo, sheep), and Douay.
Bert—First steps in scientific knowledge, parts IV and V.
Brooks—*New mental arithmetic; and Geometry (eighth grade.)
Creery (W. R.)—Catechism of United States History; and Grammar School speller.
Dulany—Bill of Rights and Constitution of Maryland; School history of Maryland; Primer Physiology (for fourth grade as supplementary reader); Standard physiology; and Martin's elementary human body.
Eclectic—Book-keeping.
Eggleston—New History of United States; and First Book in American History.
Gifford—Elementary lessons in Physics (eighth grade.)
Hyde—Language lessons: Books 1, 2 (with supplement); Advanced lessons in English.
Johnston—Outline maps; E. & W. H.; U. S., Mexico and Canada; Europe; N. & S. A.; Asia; Africa; and Mercator's projection.
*Knox-Heath—Elementary lessons in English, teachers' edition.
Lippincott—Gazetteer of the world, with supplement (sheep).
Meservey—Single entry book-keeping and blanks.
†Martenet—Map of Maryland.
Milne—Elements of Arithmetic; and Standard Arithmetic.
Newell & Creery—Revised third, fourth, fifth and sixth readers.
New Graded—Fourth, fifth, and Cathcart's literary readers—American Educational.
‡New American Music Reader No. 2.
*Powell—How to talk.
P. D. & S.—System of penmanship.
Prang—System of drawing.
Peabody—Fourth, fifth and sixth readers.
Quackenbos—First lessons in composition.
Ray—New elementary algebra.
Swinton—Language lessons; language primer; and third, fourth and fifth readers.
Sheldon—Language lessons: Primary; and Advanced.
*Southworth & Goddard—Elements of composition and grammar.
*Smart—Free gymnastics (for teachers of girls).
Sunshine—Song book.
Testaments—(32 mo., cloth), and Douay.

*For teachers.
†One for each school.
‡To be used under the direction of the Committee on Music.

Wright—Nature readers, III, IV.
Wentworth—New plane Geometry (eighth grade).
Whitney & Lockwood—English grammar (eighth grade.)
Webster—Dictionaries: International and common school.

FOR THE PRIMARY GRADES.

Appleton—First Lessons in arithmetic; and Reading charts.
Butler—Reading charts.
Bibles—(12 mo., sheep), and Douay.
*Brooks—New mental arithmetic.
Creery (W. R.)—Primary school speller.
Dulany—Primer and first reader.
Eggleston—First book in American history.
Fisher—A B C Chart, Cards and Table cards.
Frye—Primary geography.
*Hyde—Language lessons, Book 1.
Johnston—Outline maps: E. & W. H., U. S., Mex. and Canada.
*Knox-Heath—Elementary lessons in English teachers' edition.
Monroe (L. B.)—Reading charts.
McGuffey—Reading charts.
Milne—Elements of arithmetic.
Newell & Creery—Revised first, second and third readers.
New Graded—Readers I, II, III.—American Educational.
‡New American music reader, No. 1.
P. D. & S.—System of Penmanship.
Prang—System of drawing.
Peabody—Primer, infant, first, second and third readers.
Swinton—Primer, first, second and third readers; and Introductory geography.
*Smart—Free gymnastics.
Sunshine—Song book.
*Sheldon—Primary language lessons.
Testaments—(32 mo., cloth), and Douay.
Wright—Nature readers, I, II, III.
**Wentworth & Reed—First steps in numbers, teachers' edition.
Webster—Dictionaries: National Pictorial, and Primary.

FOR THE ENGLISH-GERMAN SCHOOLS.

Eclectic—German Primer, and first, second and third readers.
Klemm—German text book (Kreis)—IV, V, VI, VII.
Payson—German copy books.

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*For teachers.
‡To be used under the direction of the Committee on Music.
**For teachers of the first grade.

List of Stationery, Etc.,

FOR ALL THE SCHOOLS.

Composition (or plain copy) books, 40 pages.
Medairy's spelling blanks.
Slates, round corners, wire-bound, 6x9, 7x11, 8x12.
Ink wells, with or without covers.
Lead pencils—Eagle, Faber and Dixon H. S.
Compass pencils—Excelsior and Eagle (for eighth grade only).
Erasive rubbers—Eagle No. 1076.
Blackboard rubbers—Coughlin No. 4 and National No. 2.
Whiting Mills paper (cap, 12 lbs.; letter, 10 lbs.; note, 6 lbs.)
Manilla paper (for drawing, 40 lbs., and for models, 100 lbs.)
Colored papers—4x4 ins., assorted colors.
Envelopes—Buff and white, small and large sizes.
Slate pencils—German, 5½ ins.; soapstone, 6 ins. and Eagle (in wood).
Steel pens—Gillott's genuine, Nos. 404 and 303; Esterbrook's school, No. 444; Eagle, Nos. 170 and 410; Spencerian, Nos. 1 and 5.
Pen-holders—Eagle, Nos. 1637, 1539 and 1709; Faber, Nos. 2440 and 2560.
Chalk Crayons—Parmenter's; N. Y. Crayon Co's. and Colored.
Mucilage—Carter's.
Ink—Maynard & Noyes; American Standard Ink Co.'s fluid; Carter's black letter and fluid; Duval's black and violet.
Rulers.
Gongs—B. & H.: Principals', No. 2400; assistants', No. 2100.
Teachers' Inkstands, with rack.
Roll books.
Knives for sharpening pencils—Eagle No. 2300.
Ink vents.
Recess bells.
LePage's Liquid Glue.

EXTRACTS FROM STATUTES AND ORDINANCES

RELATING TO THE

Public Schools of Baltimore City.

(BALTIMORE CITY CODE, 1893.)

STATUTES.

776. The Mayor and City Council of Baltimore shall have full power and authority to establish in said city a system of free public schools, which shall include a school or schools for manual or industrial training, under such ordinances, rules and regulations as they may deem fit and proper to enact and prescribe; they may delegate supervisory powers and control to a Board of Public School Commissioners, may prescribe rules for building school-houses, and locating, establishing and closing schools, and may in general do every act that may be necessary or proper in the premises.

777. The Board of Commissioners of Public Schools of Baltimore city shall have power to examine, appoint and remove teachers, prescribe the qualifications, fix the salaries, subject to the approval of the Mayor and City Council, and select text-books for the schools of said city; provided such text-books shall contain nothing of a sectarian or partisan character. They shall annually make a report to the State Board of Education of the condition of the schools under their charge, to include a statement of expenditures, number of children taught, and such other statistical information as may be necessary to exhibit the operation of the schools. * * *

778. The Mayor and City Council of Baltimore shall have power and authority to make all ordinances for the protection of the school-houses and property, and to punish any person who may disturb the sessions of said public schools.

779. They are authorized and empowered to levy and collect upon the assessable property in said city, as other taxes are levied and collected, such amount of taxes as may be necessary to defray all the expenses incurred for educational purposes by them.

780. The Treasurer, on the warrant of the Comptroller, shall pay to the Mayor and City Council the proportion of the free school fund to which said city is entitled.

781. The Orphans' Court of said city shall order and direct the fund arising from intestates' estates that may be administered upon in said court, and which remain undistributed for want of legal representatives of the intestates to claim the same, to be paid to the Board of Commissioners of Public Schools.

782. The court shall not make such order until they shall be satisfied that the intestate left no legal representative living at the time of his or her death, and they shall cause the administrator of such estate to give notice, by advertisement to be inserted for such periods of time and in newspapers published in such places as they may deem necessary, that upon default of the appearance of any legal representative of the intestate by a certain day, to be fixed by the court, and named in said advertisement, the estate of said intestate will be paid to the Commissioners of Public Schools.

783. They shall, upon passing an order directing such payment, require from the treasurer of the Board of Commissioners of Public Schools, or any other officer who may be appointed by the said Board of Commissioners, or the Mayor and City Council of said city, to receive such funds, a receipt and release to the administrator for the same.

784. The release shall contain an obligation that the said funds shall be applied by the Board of Commissioners of Public Schools to the use and support of the public schools of the city of Baltimore, and shall be recorded and preserved in said court as other records are.

785. If the estate of an intestate shall be paid to the Board of Commissioners of Public Schools under this law, and any legal representatives of the intestate of no remoter degrees among collaterals than brothers' or sisters' children, shall at any time appear and prove him, her or themselves to be such legal representatives, the Board of Commissioners of Public Schools who receive such estate, or their successors, if the same shall be in their hands or shall have been applied to the use of the public schools, shall restore the same to such legal representatives out of the school fund under their direction.

Public General Laws of Maryland.

(ARTICLE XLIII.)

31. No teacher in any school shall receive into such school any person as a scholar until such person shall produce the certificate of some regular

practicing physician, that such an applicant for admission into the school has been duly vaccinated. Any teacher so offending shall, on conviction thereof, forfeit and pay a fine of ten dollars for each offence, and no public school trustee or commissioner shall grant a permit to any child to enter any public school without such certificate, under the same penalty.

(ARTICLE LXXVII.)

40. The nature of alcoholic drinks and narcotics, with special instruction as to their effects upon the human system, in connection with the several divisions of the subject of physiology and hygiene, shall be included in the branches of study taught in the common schools, and shall be taught to and studied by all pupils whose capacity will admit of it in all departments of the public schools of the State, and in all educational institutions supported wholly or in part by money from the State. * * * * The said text-books must be published, printed and sold in the State of Maryland.

ORDINANCES.

1. There shall be appointed by the two Branches of the City Council, in convention assembled, at the times and in the manner prescribed in Sections 2 and 3 hereof, twenty-two persons, to be called Commissioners of Public Schools, one commissioner to be selected from each of the several wards of the city; and said commissioners shall continue in office for the terms as prescribed in Sections 2 and 3 hereof; provided that if any commissioner shall remove from the ward from which he was appointed before the expiration of his term of office, then his place in the Board shall be declared vacant, and the Board may declare vacant the place of any commissioner who shall absent himself from three successive stated meetings of the Board, without showing satisfactory cause for his non-attendance, after having been duly notified of the same; the Mayor shall always be *ex-officio* a member of said Board.

2. The Commissioners of Public Schools who shall be appointed in the month of February, 1877, shall be appointed for one, two, three and four years, which several terms of service shall be determined by lot at their first meeting and immediately after their organization by the election of a President and Secretary, as provided by Section 5 hereof; the members severally appointed for the First, Second, Third and Fourth Wards shall draw lots for their terms of service, which terms shall be one, two, three and four years respectively, as fixed by the lot then drawn; and the several mem-

bers for each succeeding four wards, the wards being taken in numerical order, shall determine their terms of service in the same manner as aforesaid.

3. In the month of February, in each succeeding year, the First and Second Branches of the City Council, in convention assembled, shall elect school commissioners in place of those only whose terms of office shall at that time expire, and the commissioners elected, as prescribed by this section, shall continue in office for four years.

4. The First and Second Branches of the City Council, in convention assembled, shall have power to expel a member of the Board of Commissioners of Public Schools, either for persistent neglect of duty or for conduct unbecoming a School Commissioner. Should any vacancy occur in the Board by removal, resignation, death or otherwise, the unexpired term shall be filled in the same manner as provided by the preceding sections hereof.

5. Said commissioners shall meet within ten days after their election, and at their first meeting they shall proceed to the election of president from their own Board, to be chosen by a majority of the whole body; also a person to act as secretary, who shall serve for one year, unless sooner removed by the Board, and who shall have charge of the rooms, books, papers and documents of the Board, and shall perform such clerical duties as may be required of him by its members or committees. The Board shall assign the duties to be performed by him, and his salary shall be two thousand dollars per annum, payable monthly. If a vacancy should occur in the office of secretary from any cause whatever, it shall be the duty of the Board to elect a person to fill said vacancy as soon as it can conveniently be done. In all cases a majority of the commissioners shall constitute a quorum for the transaction of business.

5a. (Approved March 28, 1893). Authorizes the employment of a clerk to the secretary, whose duty it shall be to assist the secretary and assistant secretary.

6. Whenever a vacancy or vacancies shall occur in the Board of Commissioners of Public Schools during the session of the City Council, it shall be the duty of the President of the Board to inform the Mayor of such vacancy or vacancies, who shall communicate the same to the First and Second Branches of the City Council, who shall proceed in convention, according to their respective rules, to fill said vacancy or vacancies. If a vacancy or vacancies shall occur during the recess of the City Council, by

death, resignation or otherwise, it shall be the duty of the Board to fill the same as soon as may be convenient, the person or persons so elected to serve until the next session of the City Council.

7. There shall be appointed by the Board a suitable person to be the Superintendent of Public Instruction for the city of Baltimore, who shall be a resident of the city of Baltimore, of literary and scientific acquirements and of skill and experience in the art of teaching, and who shall serve for the term of four years, unless sooner removed by the Board. It shall be the duty of the superintendent to devote his time and attention entirely to the general supervision of the public schools of the city, subject to such rules and regulations as the Board of School Commissioners may establish. It shall especially be the duty of the superintendent to visit every school under the charge of the Board of Commissioners of Public Schools as often as once in each quarterly session, or four times during the academic year, to examine into its respective studies and to inquire into all matters relating to the government of the schools, such as its curriculum of studies, discipline and course of instruction pursued therein, the text-books that are used, the condition of the school-houses, and to make a monthly report of the matters thus specified to the Board of Commissioners of Public Schools.

8. There shall be appointed by the said Board a suitable person to be the Assistant Superintendent of Public Schools, who shall be a resident of the city of Baltimore, of skill and experience in the art of teaching, and whose term of office shall be concurrent with that of the Superintendent.

9. It shall be the duty of such assistant superintendent of the Public Schools to aid the superintendent in the supervision of the public schools of the city; he shall visit the primary schools as often as his duties will permit, and make a report of such visits to the superintendent; he shall assist in the examination of the quarterly reports of teachers, in the preparation of the questions for the semi-annual examination of the classes of the primary and grammar schools, and be subject to such rules and regulations as the Board of Commissioners of Public Schools may establish.

10. In order to advance the interests of the schools committed to his charge, the superintendent, in conjunction with a committee of three members of the School Board, shall, in the forms prescribed by the Board, examine into and ascertain the qualifications of applicants for the situation of teachers, and re-examine, if necessary, any of the teachers employed in the schools under the charge of the Board; and in order further to promote the cause of sound education, and to elevate the character and qualifications of the teachers, the superintendent shall, by all the means in his power, coun-

sel and advise with the teachers in relation to their duties and proper classification of studies, the best methods of imparting instruction, and, in general, as to the proper discipline and management of the schools under their charge.

11. The salary of the superintendent shall be fixed by the Board of Commissioners of Public Schools, subject to the approval of the two Branches of the City Council; and he shall make annually a report in writing to the Mayor and City Council, of all matters of interest or importance in connection with the schools; and shall also, when requested, furnish to the Board of Commissioners of Public Schools of the city a written statement, showing the number of schools in the city, the number of pupils under instruction and the teachers employed therein, with such additional information in respect to the matters above specified as may be deemed advisable and necessary.

12. The salary of the assistant superintendent of public instruction in Baltimore city shall be two thousand dollars ($2,000) per annum.

13. The Board of School Commissioners are authorized and directed to appoint annually, at the same time that the secretary of the said Board is elected, a suitable person, a citizen of Baltimore, who shall be known as the superintendent of supplies.

14. It shall be his duty, under the instructions from the Board of School Commissioners, to supervise, take care of and have general control of all furniture, stoves, furnaces, fuel, repairs, and other incidental supplies, which are now in possession of the Board, or which may be purchased by order of the Board, be responsible to the Board for their condition, and report from time to time as the Board may direct, and perform such other duties with reference thereto as may be required by the board.

15. His salary shall be eighteen hundred dollars per annum, the amount to be taken out of the appropriation made to the said Board of School Commissioners for salaries.

16. The Register is authorized to receive, through the secretary of the Board, all moneys from the teachers, and all other funds due the School Board, and pay out of the funds standing in the treasury of the city to the credit of the public schools any orders that are provided for in the levy for school purposes, after having been examined by the committee on accounts and passed by the Board, signed by the president and countersigned by the secretary of the Board of Commissioners of Public Schools.

17. The said Board of Commissioners of Public Schools shall have charge of the public schools in operation in the city of Baltimore, and of all such as may be in operation during their continuance in office; and it shall be their duty to employ teachers and determine their salaries, subject to the approval of the Mayor and City Council; to prescribe the courses of study and the books to be used; to make all such by-laws for their own government and all such rules and regulations for the management of the schools as they may deem expedient, and to modify and repeal the same at their pleasure; provided that such by-laws, rules and regulations so made or modified be not inconsistent with the laws of the State or the ordinances of the city. And it shall further be the duty of said Board, at such time as other city officers are required to report, to report to the Mayor and City Council a statement of their transactions, with an account of their receipts and expenditures during the year last passed, and their resources for the year then commenced. The schedule of salaries of all officers, employees and teachers shall stand as now fixed. (The Code contains the schedule).

18. The Commissioners of Public Schools shall have charge of all the buildings used for school purposes, and they are hereby authorized to make all necessary repairs in the school-houses of the city, provided the same shall not exceed the sum of three hundred dollars.

19. The said Board is authorized and directed to rent out, except for political purposes, for such compensation as to them may seem just and reasonable, the main halls in the Eastern and Western Female High School buildings, for public purposes, at such times and under such regulations as to them may appear right and proper; provided the same shall not be rented so as to interfere with or interrupt the regular exercises of the schools.

20. The revenue derived therefrom, as provided in the preceding section, shall be accounted for by the said Board and paid over by them to the Register, who is directed to place the same to the credit of the public school fund.

21. The said Board shall not employ in building, repairing or improving, or in furnishing stationery or any other kind of supplies, any member of said Board; nor shall any member of said Board be interested, directly or indirectly, in any contract whatever for the use of the public schools.

22. The Board of Commissioners of Public Schools shall advertise for proposals in the purchase of all supplies for said schools to the amount of *fifty dollars and over, and said proposals shall be opened in the presence

*By ordinance approved April 18, 1894, this amount was made "not in excess of two hundred dollars."

of the City Comptroller, the City Register and a committee of said Board, who together shall constitute a board to award all contracts except those for musical instruments, which shall be awarded as follows: The said Board of Commissioners of Public Schools, or its committee on music, shall select not less than three responsible and reputable manufacturers of the class of instruments required, and shall designate by proper specifications the character and style of the instrument to be furnished, and shall receive bids from those selected, which shall be opened before the above board of award, and the said board of award shall award the contract, in its discretion, to the lowest, or next to the lowest bidder, for such a period as it may think proper, not to exceed five years.

23. In awarding all other contracts the committee of the Board of Commissioners of Public Schools shall have one vote, the Comptroller one vote, and the Register one vote; but in awarding contracts for musical instruments each member of the committee on music shall have one vote, the Comptroller one vote, and the Register one vote.

24. The salaries of the superintendent, assistant superintendent and secretary of the Board, and of the teachers and all other persons permanently employed by the Commissioners of Public Schools, shall be paid monthly, on the last day of each month, by the City Register; and he is hereby authorized, in case of any deficiency in the collection of the school fund, or in anticipation of the levy for the same, to advance, from time to time, to said fund such sums as shall be required for the payment of said salaries at the time when they shall be due.

25. There shall be no charge for tuition, or for the use of books and stationery in any of the public schools, but it shall be the duty of the commissioners to furnish, free of all cost, to the pupils and their parents, all the necessary tuition and the use of books and stationery for the several schools, and in general whatever fuel or other supplies the schools may require—the same to be paid for from the public school fund.

26. The public schools of Baltimore are designed exclusively for the education of those pupils whose parents, or in the case of orphans whose guardians are citizens of Baltimore, or residents of Baltimore with a *bona fide* intention to become citizens.

27. The Board of Commissioners of Public Schools are hereby directed, before admitting the children of non-resident parents or guardians into the public schools of the city of Baltimore, to charge such parents or guardians the following amounts, viz.: For admission to the Baltimore City College,

per capita, twelve dollars and fifty cents per quarter; for admission to the Female High Schools, per capita, eight dollars per quarter; for admission to grammar schools, per capita, four dollars per quarter; for admission to primary schools, per capita, three dollars per quarter; the said amount to be paid invariably in advance, and to be paid by the School Commissioners to the Register of the City for account of the school fund; provided, however, that nothing herein contained shall be so construed as to prevent the free admission into said schools of the children of registered voters of the city who are employed by the city in or about Druid Hill Park or the water works there situate, and who reside beyond the city limits.

28. The Commissioners of Public Schools shall not admit any book or books into use in the public schools, or discontinue the use of the same after having been admitted, unless said admission or discontinuance be approved by a vote of a majority of the entire Board in session assembled at a regular meeting of said Board.

29. The said Commissioners of Public Schools are hereby authorized to receive all devises, bequests and donations which may be made for the benefit of said public schools, and all devises, bequests and donations received by said Commissioners, by virtue either of this section or of any act or acts of the General Assembly of Maryland, shall be paid over by them to the Register of the City, who shall place the same to the credit of the school fund; and if any condition or conditions be prescribed in any such devise, bequest or donation, the same shall be applied under the direction of said Commissioners, with the sanction of the Mayor and City Council, agreeably to the intention of the testator or donor; and if no condition be prescribed in any such devise, bequest or donation it shall not be lawful for said commissioners to draw all or any part of the amount thereof out of the city treasury during the year in which it was received, unless the collections from the resources and levy of the school fund for said year should fall short of the estimated expenditures forming the basis of said levy, or unless it shall have been already allowed in the estimated resources of the fund for said year; otherwise the same shall be included in the estimates of the ensuing year.

30. All funds which shall be paid to or received by the City Register, or in any other way, or through any other person or persons, passed over and transferred to the Mayor and City Council of Baltimore, pursuant to the provisions of Sections 781 and 784 of Article 4 of the Code of Public Local Laws, title City of Baltimore, sub-title Intestates' Estates, shall be held subject to the order of the Board of Commissioners of Public Schools of the city of Baltimore, in like manner as the funds derived from taxation

for said purposes are held, and such funds as may be thus received are declared to be a separate and distinct revenue, to be applied to the use and support of the public schools, in addition to the annual tax levied and the annual appropriation made for that purpose.

31. It shall be the duty of the City Register to notify and inform the Board of Commissioners of Public Schools, by a communication in writing, whenever any funds arising from the aforesaid source shall be hereafter received by him, and the amount of the same.

32. Whenever said Commissioners of Public Schools shall intend to apply any portion or all of the aforesaid funds, hereafter received from intestate estates, the warrant or order drawn for said funds, or any portion thereof, shall show upon its face that it is drawn upon said funds; and it shall be the duty of the City Comptroller and the City Register to keep a separate account of all receipts and disbursements for said special and specific fund.

33. The Mayor is authorized, upon the presentation to him of satisfactory evidence of the existence of any just and valid claim on the part of the corporation, on account of the school fund, against a certain estate, and which claim it is, in his judgment, judicious to prosecute, to employ for that purpose the services of one or more agents, and to agree with such agent or agents for such compensation to him or them as he may deem fair and reasonable; provided the said compensation shall be entirely contingent upon the recovery of the money.

34. All assessments for paving or repaving in front of any of the public schools or lots of ground attached thereto, and also all assessments of benefits for opening or widening any street or streets, so far as the public schools may be interested, shall be paid by the Register out of any unappropriated money in the treasury.

35. It shall not be lawful for said Board of Commissioners of Public Schools to exceed in their expenditures the amount annually appropriated therefor by the City Council; and it shall be their duty to apply the same exclusively to the several purposes, and as far as practicable, in the proportion specified in the statement of estimated expenses, on which said City Council shall have based the school fund levy for the year.

36. Whenever any of the pupils of Baltimore City College shall have satisfactorily completed the prescribed term and course of instruction, the Commissioners of Public Schools shall have the power to confer on them

testimonials in form as follows, viz.: This certificate is given to ——— ———, a pupil of the Baltimore City College, in testimony that he has pursued and satisfactorily completed the studies of the ——— course of ——— years; and said testimonials shall be signed by the President of the Board, by the Mayor of the city, with the seal of the city attached, by the committee on the Baltimore City College, and by the principal, vice-principal and professors of said college.

37. Said Commissioners of Public Schools are authorized to cause said testimonials to be engraved on copper, or lithographed, with a suitable vignette, the expenses necessarily connected with the preparation of said testimonials to be paid from the school fund; provided that no commissioner or teacher shall ever charge or receive any fee or compensation for so signing said testimonials.

38. Said Commissioners of Public Schools shall have power to confer testimonials on pupils of the Eastern and Western Female High Schools, in conformity with the requisitions and provisions of the preceding two sections.

39. Whenever any pupil shall leave any of the high schools without having completed the prescribed term and course of instruction, then, and in such cases, said commissioners shall have power to confer such testimonials on said pupils as said commissioners may deem to be proper and appropriate to the occasion.

40. It is hereby made the duty of the Board of Commissioners of Public Schools of the city of Baltimore to organize separate schools for colored children (this was done in 1867), and to establish as many schools for the education of colored children of Baltimore city as may, in the judgment of said Board, be necessary.

41. The schools to be established in accordance with the provisions of this ordinance shall be subject to such rules and regulations as may be prescribed by the said Board in its discretion.

43. The Board of School Commissioners are authorized and directed in all colored schools to be hereafter established, and in all colored schools in any territory hereafter annexed to Baltimore city, to appoint teachers of the colored race as instructors in such public schools set apart for colored youths; provided, that they be shown, by examination or such other test as is applied to white teachers, to possess the necessary moral and intellectual qualifications therefor.

44. It shall be the duty of the Superintendent of Public Schools to hold public examinations to which all colored applicants for teachers' positions may and shall be admitted.

45. All such applicants who pass a satisfactory examination shall be certified by the Superintendent of Public Schools to the Board of School Commissioners, and said Board of School Commissioners shall appoint the persons so certified to positions as teachers in all colored schools hereafter established and set apart for the colored race, and also in all such schools in any territory hereafter annexed to Baltimore city.

46. The schools hereafter established for colored children shall be supplied with the colored applicants so certified to the extent of the number applying, before teachers of any other race shall be employed in such schools; provided, however, that in no case shall teachers of the white race be employed in any school in which colored teachers are employed.

47. The salaries paid to such colored teachers shall be equal to those now paid to white teachers for similar service in the colored schools.

48. Whenever any of the pupils of the colored schools have satisfactorily completed the term and course of instruction prescribed for the pupils of the Colored High School, the Commissioners of Public Schools shall have power to confer upon them testimonials in conformity with the requisitions and provisions of this article relating to the conferring of testimonials upon pupils of the Baltimore City College and the Eastern and Western Female High Schools.

49. There shall be established at the Baltimore City College, and at each of the two Female High Schools, a library for their use, without charge, under such regulations as may be adopted by the Board of Commissioners of Public Schools.

50. The selection of the books, which shall be only of an instructive and moral character, shall be made by the said commissioners, or a committee appointed by them for the purpose, and no book deemed by them to be injurious to the morals of the pupils, or of a sectarian character, whether obtained by purchase or donation, shall be admitted in said libraries; and all books purchased under any future ordinance or resolution of the City Council or otherwise, for this purpose, shall be subject to the restrictions herein contained.

51. The Commissioners of Public Schools of the city of Baltimore are hereby authorized to accept and receive the premiums given by the Trustees

of the Peabody Institute to the Baltimore City College and the Female High Schools, as specified in Mr. Peabody's letter to his trustees, and to have the same distributed from time to time in such manner as they shall deem most conducive to the benefit of the schools and the objects of the donor.

52. The Board of Commissioners of Public Schools of Baltimore city are authorized and directed to establish in the city of Baltimore, in some convenient locality, as near the centre of the city as possible, a school for manual training, under such name or title as said Board shall select; said school shall be open to the children of the citizens and *bona fide* residents of the city of Baltimore, and the admission to said school shall be regulated by the law now existing for the admission of pupils to the public schools of the city of Baltimore, except in so far as changed by this ordinance; the age and qualifications for admission to said school shall be fixed and prescribed by the said School Board; provided, that the fee for the use of tools and materials for pupils who are the children of residents or citizens of Baltimore shall not exceed one dollar each per scholastic quarter; pupils from other places may be admitted to said school upon such terms and conditions and upon payment of such fees as said Board shall prescribe.

52*a* to 52*e*. An ordinance nearly identical with the above (Section 52), providing for a Manual Training School for Colored Children, was approved February 16, 1892.

57 to 60. It shall be the duty of all physicians who may be in attendance in any family whose child or children may be attending any of the public schools of this city, which family may have a case or cases of scarlet fever, diphtheria, measles, smallpox, chickenpox, whoopingcough, or any other contagious disease, to give a certificate of the same to the parents or parent of the child or children so diseased as soon as the disease is developed; and it shall be the duty of the parents or parent, as soon as the physician certifies that contagious disease exists in his, her or their house, to notify the principal of the school attended by his, her or their children within twenty-four hours. That if there be no physician attending in cases of disease mentioned in this ordinance, it shall be the duty of the parents or parent to report the disease to the principal of the school attended by his, her or their child or children within twenty-four hours from the time the disease is known to be contagious. That if any parent or physician shall notify any public school teacher of the city that any contagious disease exists in any family whose child or children are attending any of the public schools of this city, then it shall be the duty of the principal of the school to exclude the child or children of said family from the school until the attending

physician certifies that all danger from contagion has passed. That if any teacher or teachers reside, board or lodge in any house where a child or children in such house is suffering with any contagious disease, of which fact the said teacher has been cognizant, then it shall be the duty of said teacher to certify to the same to a member of the School Board, and such teacher shall not perform his or her duties in any public school in this city until a physician attending such case or cases of contagious disease shall certify that all danger from contagion has passed. Failure to comply with the provisions of this ordinance will subject the offender to a fine of ten dollars.

61. When scarlet fever, diphtheria, measles, smallpox, chickenpox, whoopingcough, or any other contagious disease has existed in any family whose child or children have been attending any of the public schools of this city, which child or children had not been attended by any practicing physician, then it shall be the duty of any vaccine physician who may be applied to for a certificate that all danger from contagion has passed, to visit the premises, if in his district, where said child or children had been sick, and if there should exist no danger from contagion, he should give the certificate applied for free of charge.

62. (Approved May 22, 1893). The School Commissioners are hereby required and directed to have all public schools in the city of Baltimore opened for the reception of pupils thirty minutes before the commencement of the regular exercises of said schools.

(See also the statute relating to vaccination.)

By resolution approved March 13, 1894, it is provided "That the American flag be raised on all public school buildings where the school buildings are provided with said flags at half-mast on Memorial Day."

By ordinance approved April 9, 1895, the Board was directed to purchase a sufficient number of American flags and have the same placed on each and every public school building; to be raised on every school-day from the opening of the session in the morning till the close in the afternoon, except on inclement days, and at half-mast on May 30 from sunrise to sunset. Principals to be responsible for the performance of the duty, and liable to suspension or dismissal for failure to perform the same. The sum of $1,500 is appropriated to defray the cost of said flags and placing them on the school buildings.

By ordinance approved May 8, 1895, the Board was directed to introduce physical training as a regular course of study in the public schools; to employ a male teacher, a graduate of some institution in which the art and science of physical training has been the only object of the course of study; salary to be fixed by the Board, subject to the approval of the Mayor and City Council. Ten minutes each day shall be given to calisthenics. The sum of $1,500 is appropriated to defray the expense.

By resolution approved May 15, 1895, the Board is directed "to issue the necessary directions to the teachers * * * to read to the pupils of their respective classes (in the grammar schools only), on the Friday preceding all national, State or municipal holidays, the Declaration of Independence of the United States."

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REGISTER

— OF THE —

Corporation Officers

— OF —

BALTIMORE CITY,

FOR THE YEAR 1895.

REGISTER

—OF THE—

Corporation Officers of Baltimore City,

FOR THE YEAR 1895.

Mayor's Office.

FERDINAND C. LATROBE, *Mayor.*
WILLIAM H. LOVE, *Secretary to the Mayor.*
OTIS C. BROWNLEY, *Clerk to the Mayor.*
JOSEPH W. WHITEFORD, *City Messenger.*

Register's Office.

JOHN A. ROBB, *Register.*
J. SEWELL THOMAS, *Deputy Register.*
CHARLES M. GORDON, *Chief Clerk.*
HENRY DUVALL, JR., *Assistant Clerk.*
ROBERT D. CARTER, "
WILLIAM E. DAVIS, "

Comptroller's Office

JAMES R. HORNER, *Comptroller.*
JOSEPH VANSANT, *Deputy Comptroller.*
J. HARRY DUVALL, *Chief Clerk.*
RIGGIN B. HORNER, *Assistant Clerk.*
JAMES T. DORSEY, *License Detective.*

Law Department.

THOMAS G. HAYES, *City Counselor.*
WM. SHEPARD BRYAN, JR., *City Solicitor.*
JAMES W. McELROY, *Examiner of Titles.*
JAMES P. GORTER, *City Attorney.*

Members of First Branch City Council.

ALCAEUS HOOPER, *President.*

First Ward.....John F. Langhammer.
Second Ward.....John Heinemann.
Third Ward.....John H. Windfelder.
Fourth Ward.....Michael E. Brennan.
Fifth Ward.....Walter H. Stewart.
Sixth Ward.....Levi A. Thompson.
Seventh Ward.....Louis Hoffmann.
Eight Ward.....John F. Doyle.
Ninth Ward.....John F. Leonard.
Tenth Ward.....Henry Seim.
Eleventh Ward.....James Doyle.
Twelfth Ward.....Percy C. Hennighausen.
Thirteenth Ward.....John M. Jones.
Fourteenth Ward.....William J. Robertson.
Fifteenth Ward.....Milton H. Wagoner.
Sixteenth Ward.....James E. McClellan.
Seventeenth Ward.....Robert W. Harrison.
Eighteenth Ward.....Samuel G. Davis.
Nineteenth Ward.....William C. Clay.
Twentieth Ward.....J. Woodfin Minifie.
Twenty-first Ward.....Francis E. Yewell.
Twenty-second Ward.....Alcaeus Hooper.

William C. Harden, *Chief Clerk.*
John R. Morrison, *Assistant Clerk.*
Robert B. Fisher, *Committee Clerk.*
Charles E. Turner, *Sergeant-at-Arms.*
W. N. Matthews, J. W. Parks, Jr., } *Doorkeepers.*
Charles H. Hartley, *Page.*

Members of Second Branch City Council.

JAMES H. SMITH, *President.*

First and Second Wards..... .....Hanson P. Barnes.
Third and Fourth Wards .....Adam Deupert.
Fifth and Sixth Wards.....Lawrence Rigger.
Seventh and Eighth Wards.....Terrence McMahon.
Ninth and Tenth Wards..... .....Patrick Rodgers.
Eleventh and Twelfth Wards. ....John R. Kelso.
Thirteenth and Fourteenth Wards.John T. Fahey.
Fifteenth and Sixteenth Wards....Charles T. Mitchell.
Seventeenth and Eighteenth Wards.Frederick Spindler.
Nineteenth and Twentieth Wards..Walter B. Swindell.
Twenty-first and Twenty-second Wards..... ..... } James H. Smith.

John M. Travers, *Chief Clerk.*
John B. Keplinger, *Assistant Clerk.*
James J. Flannery, *Committee Clerk.*
Michael Farrell, *Sergeant-at-Arms.*
Joseph H. Krager, *Doorkeeper.*
Harry C. Butts, *Page.*

Department of Finance.

His Honor Ferdinand C. Latrobe, *Chairman.*
James Sloan, Jr., John B. Ramsay.

Tax Department.

Lewis N. Hopkins, *City Collector.*
J. T. M. Barnes, *Deputy City Collector.*
Clapham Murray, *Cashier.*
Herbert Snowden, *Assistant Cashier.*
Charles Schwartzhaupt, *Bookkeeper.*

Tax Department—Continued.

W. C. Bordley, *General Cash Bookkeeper.*
Frank J. Murphy, *Transfer Clerk.*
M. P. Caughey, *Ledger Clerk.*
Philip Wolf, "
J. F. Cook, "
Grover Kettlewell, "
F. H. Fairbank, "
Claude L. Goodwin, " George Farnandis,
John M. Pope, "
Frank C. Plunkett, "
W. W. Sinclair, "
John T. Murphy, "
Joseph Lutz, "
Ridgley Duvall, *Bookkeeper for Annex.*
Ambrose M. Emory, *Ledger Clerk for Annex.*
Samuel W. Storm, " " "
John J. Potter, *Bailiff.*
Charles Kilian, "
John J. Rock, "
George N. Hughes, "
Patrick Scanlon, "
William J. Laughlin, "
Henry Laufer, "
James T. Buckley, "
Robert J. Padgett, Jr., "
William Linthicum, "
Louis Griesman, "
John T. Nolan, "
Patrick Scanlon, "
Michael Downs, "
William J. McCleary, "
John S. Saunders, "
Charles A. Hancock, "

Tax Department—Concluded.

Charles S. Moran,	*Bailiff.*
George P. Hamlin,	"
Francis Cutaiar,	"
Samuel A. Clagett,	"
Joseph P. Scott,	"
Joseph J. Peters,	"
R. J. McCuen,	"
Robert R. Kirkland,	"
Charles E. Key,	"
Joseph R. Knight,	"
Aaron Goodman,	"
Thomas F. McNulty,	"

Judges of Appeal Tax Court.

Wm. H. B. Fusselbaugh, E. J. Chaisty, Jr., Eugene T. Joyce.

Thos. K. McCormick, *Chief Clerk.*
Michael H. Doyle, *Assistant Clerk.*
Wm. J. King, *Chief Assessor.*

Joshua D. Taylor,	*Assessor.*
Elias Rosenbaum,	"
Dr. Geo. W. Massamore,	"
F. G. Maxwell,	"
Geo. T. Fowler,	"

Paul Clunet, *Clerk to Assessors.*

City Commissioner's Department.

Henry T. Douglas, *City Commissioner.*
Janon Fisher, *Assistant City Commissioner.*
Charles A. Hook, " " "
Charles P. Kahler, " " "

City Library.

George C. Wedderburn, *Librarian.*
Samuel S. Ely, *Assistant Librarian.*

Inspector of Public Buildings' Office.

J. Theodore Oster, *Inspector.*
William Q. Caldwell, *Assistant Inspector.*
William B. Wood, *Clerk.*

Commissioners for Opening Streets.

James R. Brewer,
Louis Beck,
Samuel F. Sharretts.
Robert F. Green, *Clerk.*

Health Department.

Commissioner of Health and Registrar.

James F. McShane, M.D.

Assistant Health Commissioner.

Hiram L. Spicer, M.D.

Resident Physician Quarantine Hospital, Port of Baltimore.

Sidney O. Heiskell, M.D.

Secretary.

V. Burgess Hines.

Assistant Secretary.

George C. Vansant.

Medical Examiner.

N. G. Keirle, M.D.

Health Department—Continued.

Assistant Medical Examiner.

J. B. Schwatka, M.D.

Keeper of the Morgue.

William H. Murphy.

Assistant Registrar's Clerk and Assistant Permit Clerk.

Montgomery Lawrence.

Permit Clerk.

M. A. Maloney.

Registrar's Clerk.

James E. Hubbert.

Nuisance Clerk.

Harry C. Andrews.

Recorder of Births.

James E. King.

Sanitary Inspectors.

George N. Lewis,
Henry M. McKewen,
J. V. Fitzpatrick,
C. C. Leonard,
John M. DeGoey,
John Long,
August W. Lindenstruth.

Annex.

D. S. Williams, M.D.,
Robert E. L. Hall, M.D.,
B. F. Knight,
G. W. Phillips.

Health Department—Continued.

Vaccine Physicians.

First Ward ..... Wm. H. Schwatka, M.D.
Second Ward..... N. L. Dashiell, Jr., M.D.
Third Ward..... Wm. H. Johnson, M.D.
Fourth Ward ..... C. F. Maguire, M.D.
Fifth Ward..... Arthur Wegefarth, M.D.
Sixth Ward..... Francis A. Sauer, M.D.
Seventh Ward..... G. Henry Chabot, M.D.
Eighth Ward..... Henry F. Cassidy, M.D.
Ninth Ward ..... W. C. Currey, M.D.
Tenth Ward..... August Horn, M.D.
Eleventh Ward..... J. A. Gilliss, M.D.
Twelfth Ward..... Thos. P. McCormack, M.D.
Thirteenth Ward..... William Wolf, M.D.
Fourteenth Ward..... Joseph C. Wunder, M.D.
Fifteenth Ward..... William B. Burch, M.D.
Sixteenth Ward..... Joseph Blum, M.D.
Seventeenth Ward..... Henry Stark, M.D.
Eighteenth Ward ..... Harry Boyd, M.D.
Nineteenth Ward ..... John W. Linthicum, M.D.
Twentieth Ward..... Paul F. DeFord, M.D.
Twenty-first Ward..... Morris Shanks, M.D.
Twenty-second Ward ..... H. G. Prentiss, M.D.

Superintendent of East Baltimore Public Cemetery.

George Rinehart.

Superintendent of West Baltimore Public Cemetery.

George E. Brown.

Inspector of Plumbing.

James D. Stidham.

Inspector of Eastern District Sewers.

Henry Paff.

Health Department—Concluded.

Inspector of Western District Sewers.

Mark F. Gorman.

Superintendent of Canton Dump.

James Quinn.

Superintendent of Spring Garden Dump.

Charles F. Ringold.

Assistant Superintendent of Spring Garden Dump.

Frank Kelly.

Disinfector.

Daniel H. Carr.

Inspector of Drains.

Dennis Healy.

N. S. Detective.

Earnesty Tschudy.

Messenger.

Samuel Russell.

Analytical Chemist.

William P. Tonry, Ph.D., M.D.

Food Inspectors.

George N. Schaefer,
Thomas Slagle,
W. G. V. Hull.
George A. Vernetson, *Clerk.*

Commissioner of Street Cleaning.

Bartholomew E. Smith.

John J. Walsh, *Clerk.*

Superintendents of Streets.

George W. Trumbo, *First District.*
George E. McCauley, *Second* "
Michael Fadgen, *Third* "
James F. Busey, *Fourth* "
Henry Lancaster, *Fifth* "
John Meagher, *Sixth* "
Joseph McGee, *Seventh* "

Superintendents of Roads.

George M. Chambers, 21*st Ward.*
Charles Carroll, 22*d Ward.*

Assessor in 21st and 22d Wards.

J. C. LeGrand Cole.

Harbor Board.

His Honor Ferdinand C. Latrobe, *Chairman.*

J. Vernon Campbell, Fielder Slingluff,
James S. Woodside, E. J. Codd,
Henry Williams, Martin Wagner.

N. H. Hutton, *Engineer.*
James H. Irvin, Jr., *Clerk.*

Superintendent of City Hall.

Gilles J. Shaw.

Day Watchmen at City Hall.

James Merritt,
John Cosgrove,
Dennis Bergin.

Night Watchmen at City Hall.

John Schlereth,
John Roney.

Engineers at City Hall.

George W. Vandaniker,
Curtis B. Simonds.

Firemen at City Hall.

J. Thomas McGahan,
J. P. Kane,
James D. Danels,
Martin F. Healy.

Conductor City Hall Elevator.

C. S. Frazier.

Park Commission.

His Honor F. C. Latrobe, *Chairman.*

Douglas H. Thomas,	German H. Hunt,
John S. Berry,	John C. Froehlich,
David L. Bartlett,	George R. Willis.

D. Rayhice, *Clerk.*

Water Department.

Commissioners.

His Honor F. C. Latrobe, *President.*

D. Meredith Reese,	John E. Hurst,
William A. Marburg,	Francis H. Hambleton,
Joseph S. Heuisler,	Clinton P. Paine.

Water Department—Continued.

Registrar's Department.

E. Shriver, *Water Registrar.*
James A. Marrian, *General Bookkeeper.*
James S. Etchberger, *Cashier.*
James J. C. Scully, *Clerk of Errors.*
John T. Dailey, " "
A. J. C. White, *Ledger Clerk.*
E. J. Edwards, "
John Gibson, "
Timothy Ryan, Jr., "
Samuel A. Hart, "
J. Beale Howard, "
E. A. Hogg, *Meter Supply Clerk of Delinquents.*
T. J. Penning, *Assistant Meter and Supply Clerk of Delinquents.*

District Inspectors and Bill Distributors.

L. R. Dougherty, D. G. Carlisle,
William H. Johnson, S. L. Auerbach,
George H. Dalrymple, John F. Kearns,
Leonard C. Hornick, Barney L. Hess.
————————, *Assistant Inspector.*
Geo. W. Emmerich, *Clerk and Special Inspector.*

Engineer's Department.

William L. Kenly, *Acting Chief Engineer.*
William Benthall, *First Assistant Chief Engineer.*
Charles Krauss, *Assistant Mechanical Engineer.*
R. L. Clemmitt, *Draughtsman in Chief Engr's Office.*
J. Philip Huppman, *Chief Clerk.*
Lewis C. Curran, *Superintendent of Meter Supplies.*
John Shea, *Superintendent of Pumps and Fountains.*
M. C. Barclay, *Eng'r of Western Pumping Station.*
Wm. H. Coyle, *Asst. Eng'r Eastern Pumping Stat'n.*

Robert Benthal, *Inspector of Gunpowder and Jones' Falls Extensions.*

Baltimore City Jail.

Board of Visitors.

Hon. F. C. Latrobe, *Ex-Officio.*
John Richardson, *President.*
Robert C. Davidson, *Secretary.*

A. C. N. Matthews, August Berkemeier,
Harry F. Turner, H. G. Dudley.

Daniel Constantine, *Warden.*
Stephen D. Broadbent, *Clerk.*
Dr. *Physician.*

Standing Committees.

DISCIPLINE. { John Richardson, A. Berkemeier, Harry F. Turner.
FINANCE... { Robert C. Davidson, Harry F. Turner.
REPAIRS... { A. Berkemeier, Robert C. Davidson.
SUPPLIES.. { H. G. Dudley, A. C. N. Matthews.
SANITARY.. { Harry F. Turner, A. C. N. Matthews.

Deputy Wardens.

John Begnell, Charles A. Dwyer,
Thomas M. Kenny, George Hoffman,
Oliver S. Holland, Edward Burke,
George H. Hummell, John Cramer,
John W. Reiter, Frederick Wolfe,
John Lotz, H. J. Edell,
Michael Kohlerman, John O'Donnell,
Samuel D. Myers, Charles A. Hoffman.
Charles Warner,

Baltimore City Jail—Continued.

William B. McEldon, *Engineer.*
Mrs. Frances Causey, *Matron.*
Mrs. Ellen Bishop, *Assistant Matron.*
William Wenzel, *Substitute.*
J. B. Wells, "
William T. Maxwell, "
Charles Helbing, *Baker.*
David Crotty, *Gardener.*
James Stanton, *Hostler.*
William H. Hall, *Purveyor.*

Commissioners of Public Schools.

First Ward.....Joseph L. Farnen.
Second Ward.....Simon L. Felber.
Third Ward.....John B. Wentz.
Fourth Ward.....George F. Louderman.
Fifth Ward.....William H. B. Fusselbaugh, of J.
Sixth Ward.....John T. Ochs.
Seventh Ward.....Martin B. Billingslea, M.D.
Eighth Ward.....John T. Foley.
Ninth Ward.....Michael Sheehan.
Tenth Ward.....John T. Morris.
Eleventh Ward.....William W. Dix.
Twelfth Ward.....James W. Denny.
Thirteenth Ward.....Charles J. Wiener.
Fourteenth Ward....James Bosley, M.D.
Fifteenth Ward.....John H. Carle.
Sixteenth Ward.....John D. Blake, M.D.
Seventeenth Ward...Joseph P. McGonigle.
Eighteenth Ward....Robert H. Cornthwaite.
Nineteenth Ward....Merville H. Carter, M.D.

Commissioners of Public Schools—Continued.

Twentieth Ward.....James L. Murrill.
Twenty-first Ward.....Daniel W. Smith, M.D.
Twenty-second Ward..Arthur H. Jackson.
John T. Morris, *President.*
Henry M. Cowles, *Secretary.*
Henry A. Wise, *Superintendent.*
John E. McCahan, *Assistant Superintendent.*
Albert Marshall, *Assistant Secretary.*
Christian W. Keidel, *Superintendent of Supplies.*
Francis J. Ruth, *Librarian.*
William F. O'Conor, *Clerk to Secretary.*

Trustees of the McDonogh Educational Fund and Institute.

David L. Bartlett, *President.*
German H. Hunt, *Vice-Prest.* Robert H. Smith, *Sec'y.*
E. Stanley Garey, Enoch G. Hipsley,
Julien LeRoy White, William Keyser.

Trustees of Almshouse.

Simon I. Kemp, *President.*
Alexander A. Sanner, *Secretary.*
John Hannibal, Harry Friedenwald, J. J. Pentz,
George A. Blake, John J. Hoffman.
Columbus W. Lewis, *Superintendent.*
John M. McElroy, *Purveyor.*
John R. Hammett, *Clerk and Storekeeper.*
Susanna McCahan, *Matron.*
James J. Farrall, *Engineer.*
William Montgomery, *Assistant Engineer.*
John F. Barrenger, *Gardener.*
Thomas Connor, *Messenger.*

Trustees of Almshouse—Continued.

Charles Jones, *Baker.*
Patrick Butler, *Carriage Driver.*

Medical Department.

Dr. Fred'k S. Caruthers, } *Resident Physicians.*
Dr. H. H. Hayden, }
Dr. James A. West, } *Insane Department.*
Dr. C. W. Didenhover, }
James A. Tierney, *Apothecary.*

Agent of Baltimore City for the Deaf and Dumb.

William R. Barry.

Director on Behalf of the City in the Female House of Refuge.

Lawrence Turnbull, W. T. Biedler,
James R. Edwards, J. H. Scarff, M.D.,
Robert T. Wilson.

Managers on Part of the City of St. Mary's Industrial School.

Germanus France, R. W. L. Rasin,
Andrew W. Woodall.

Managers of House of Refuge on the Part of the City,

Dr. John G. Morris, Israel Rosenfeld,
William A. Knapp, John H. Hancock,
Dr. J. D. Iglehart, Archibald B. Coulter,
James H. Parrish, Warren H. Sadler,
James A. Gould, Davies Murdoch.

Managers on the Part of the City for the House of Reformation and Instruction for Colored Children.

William T. Brigham, Joseph J. Janney.

Managers on the Part of the City in the Industrial Home for Colored Girls.

Francis P. Stevens, Myer Bornheim.

Directors on the Part of the City in the Union Railroad Company.

J. Olney Norris, W. B. McAtee.

Visitor to Enoch Pratt Free Library.

Henry Duffy.

Directors on the Part of the City in the Western Maryland Railroad Company.

H. Crawford Black, John C. Legg,
Christian Devries, Samuel D. Schmucker,
E. G. Hipsley, William S. Rayner,
Levi Weinberger, Lloyd L. Jackson.

Directors on the Part of the City in the Valley Railroad Company.

Charles T. Crane, H. Crawford Black.

Harbor Masters.

First District.....Joseph E. Cromwell.
Second " .....William E. Knoor.
Third " .....Thomas Freeman.
Fourth " .....George T. Hodes.
Fifth " .....Michael A. Canton.
Sixth " .....Charles Durm.

Topographical Survey.

H. T. Douglas, *Chief Engineer.*

Inspectors of Weights and Measures.

Northwestern District.....John A. Haeffner.
Northeastern " .....William Henry.
Southwestern " .....Patrick J. Brandy.
Southeastern " .....Thos. Francis Herr.
Southern " .....John C. Dietz.

Inspector of Long and Dry Measure.

William Bond.

Inspector of Coal Oil and Illuminating Gas.

Prof. P. B. Wilson.

General Superintendent of Lamps and Inspector and Sealer of Gas Meters

W. Stuart Symington.

Superintendent of Court House, Record Office and Grounds.

John D. Cook.

Watchman at Court House.

William Snyder.

Superintendent of City and Circuit Courts.

James Donnelly.

Watchman at Old Masonic Hall Building.

George A. Freeberger.

Janitor of the Orphans' Court.

William J. Burke.

Keeper of Drawbridge.

William H. Konig,

Michael P. Gantley, *Assistant.*

Keeper of Washington Monument.

Sebastian Ettinger.

Keeper of Harman's Bridge.

Edward Stowman.

Keeper of North, Calvert and St. Paul Street Bridges.

James J. Moylan.

Keeper of Dog Pound.

Philip Kimmel.

Clerk of Centre Market.

Michael J. Mulcrone,

John F. Bracken, *Assistant Clerk.*

Clerk of Lexington Market.

John Doering.

William H. Tibbals, *Assistant Clerk.*

Clerk of Fell's Point Market.

William A. Callahan.

Clerk of Belair Market.

Joseph H. Wright.

Clerk of Hollins Market.

James Biden.

Clerk of Hanover Market.

John H. Mortimer.

Clerk of Richmond Market.

George H. Clifton.

Clerk of Lafayette Market.

John Farrell.

Clerk of Cross-Street Market.

Charles B. Kemper.

Clerk of Northeastern Market.

Charles Briggeman.

Clerk of Canton Market.

John Cadden.

Keeper of Hall Over Broadway Market.

Charles W. Nelson.

Keeper of Market Under Maryland Institute.

John H. Bogue.

Commissioners of Union Square.

Andrew J. Fairbank, Lewis Kalling,
Walter N. Smith.

Commissioners of Lafayette Square.

D. H. Stevenson, W. C. Sanderson, H. G. Vickery.

Commissioners of Franklin Square.

Dr. James W. Bowers, Dr. J. Dimmett Norris,
John F. Adams.

Commissioners of Eutaw Place Squares.—First Division.

Wm. T. Levering, A. G. Stabler, A. C. Trippe,
J. M. Wharton, Charles H. Carter.

Commissioners of Eutaw Place Squares.—Second Division.

George W. Wood, Alexander H. Russell,
George J. Popplein.

Commissioners of Mount Vernon Square.

Thomas M. Lanahan, William F. Burns,
Thomas Deford.

Commissioners of Madison Square.

John Solter, John H. Hoeck, Charles H. Davis.

Commissioners of Jackson Square.

Wm. G. Dougherty, H. D. Adams, B. Frank.

Commissioners of Harlem Park.

William P. Reese, George W. Jones,
Edward A. Holmes.

Commissioners of Eastern City Spring Square.

John W. Cruett, George Courtney, August Hellweg.

Commissioners of Broadway Squares—First Division.

Edward C. Claus, A. McClintock, William Cowen.

Commissioners of Broadway Squares—Second Division.

Wm. H. McElroy, Chas. F. Henderson, Louis Zink.

Commissioners of Broadway Squares—Third Division.

Geo. E. Saville, Edw. N. Waters, Adam Neuse, Jr.

Commissioners of Perkins Spring Square.

Joseph Harris, J. Frank Wilhelm, Joseph W. Dell.

Commissioners of Park Place.

John F. Parlett, Manes E. Fuld, John K. Shaw.

Commissioners of Taney Place.

Joseph S. West, A. B. Clark, Frank P. Clark.

Commissioners of Ashland Square.

James Sapp, Edward G. Medinger, Richard S. Bridge.

Commissioners of Brewer Square.

H. R. Vonderhorst, A. L. Boggs, Jr.,
Henry D. Hill.

Commissioners of Wilkens Avenue Squares,

Gustave Siegmund, Frederick J. Cahill,
Myer Goldburg, George P. Carr,
Edward Andrews.

Commissioners of Mount Royal Avenue Square.

Michael Jenkins, Henry E. Baltzell,
R. W. Templeman.

Commissioners of Fulton Avenue Squares and Circle at Baker Street and Fulton Avenue.

J. H. Menslage, Thomas F. Locke, Wm. J. Miller.

Keeper of Madison Square.

John Baker.

Keeper of Perkins Spring Square.

John Garey.

Keeper of Union Square.

George T. Price.

Keeper of Harlem Square.

W. R. Strickland.

Keeper of Lafayette Square.

Henry Manion.

Keeper of Fulton Avenue Squares.

John L. Mantler.

Keeper of Franklin Square.

F. D. Field.

Keeper of Eastern Fountain.

Richard Phillips.

Keeper of Broadway Squares—First Division.

Frederick W. Williams.

Keeper of Broadway Squares—Second Division.

John K. Hirzel.

Keeper of Broadway Squares—Third Division.

Joseph Krastel.

Keeper of Mount Royal Avenue Square.

Peter Needham.

Keeper of Ashland Square.

James Shannon.

Keeper of Jackson Square.

Herman Kumlehn.

Keeper of Taney Place.

August Bechtold.

Ward Managers of the Poor.

First Ward.....Theo. Von Rintelln.
Second Ward.....George Schaeffer.
Third Ward.....Richard C. Kemp.
Fourth Ward.....Charles F. Evans.
Fifth Ward.....C. Crane.
Sixth Ward.....James E. Sturgeon.
Seventh Ward.....Alexander Bond.
Eighth Ward.....Michael Hagan.
Ninth Ward.....Thomas Gordon.
Tenth Ward.....Michael Hess.
Eleventh Ward.....Charles F. Taylor.
Twelfth Ward.....R. G. Keene.
Thirteenth Ward.....John H. Hancock.
Fourteenth Ward.....T. P. Perine.
Fifteenth Ward.....Joseph J. Harig.
Sixteenth Ward.....Peter Hines.
Seventeenth Ward.....Wm. L. P. Riggin.
Eighteenth Ward.....John P. Fahey.
Nineteenth Ward.....George A. Smith.
Twentieth Ward.....John B. Thomas, Jr.,
Twenty-first Ward.....
Twenty-second Ward.....

Superintendents of Lamplighters.

George H. Smith, *Acting Supt. Southern District.*
Charles D. Moore, *Annex.*
Richard E. Hardin, *Northwestern District.*
John E. Ward, *Western District.*
Edward Hammer, *Eastern District.*
Charles J. Daugherty, *Northeastern District.*
Joshua E. Stinchcomb, *Southwestern District.*

Lamplighters.

First Ward—John Potter,
Stephen Flaherty,
Michael Herr,
George Langgood,
Thomas W. Fitzgerald.

Second Ward—John Burke,
Jacob Ziegler,
John T. Brown,
John Schaeler,
William J. Kelly.

Third Ward—Henry Kimmelman,
Michael Wagner,
Charles Hitroth,
John G. Moore, *at large.*
Charles A. Borneman,
Henry Anton,
John D. Abel.

Fourth Ward—Patrick Birthistle,
Lawrence Ward,
John Spellman,
Carston Schultz,
Jerry Harrigan.

Fifth Ward—John W. Disney,
J. Ahearns,
Frank Morrell,
Thomas Kilduff,
William Dennis,
Samuel Summers.

Lamplighters—Continued.

Sixth Ward—Frank Kminek,
Thomas J. Duvall,
Martin Ruppert,
James Finch,
Joseph Wagner.

Seventh Ward—Harry W. White,
Victor Hirshauer,
Andrew Emeline,
James Babka,
Jacob Tragesser.

Eighth Ward—William Holden,
John McSweeney,
Frank Gutberlet,
David Mills,
Henry Burns, *at large.*
James Owens.

Ninth Ward—Lewis J. Hess,
George H. Smith,
Thomas Keho,
Michael Collins,
John Garrity, Jr.,
James G. Newman,
James T. Sexton.

Tenth Ward—Max Kohlenstine,
Baltasar Schneider,
Joseph Steinkamp,
Valentine Baum,
Joseph Johnson.

Lamplighters—Continued.

Eleventh Ward—Andrew J. Norris, Jr.,
Charles C. Pease,
Jacob Schoedel,
Jacob Pollety,
John Rinn.

Twelfth Ward—Thomas Rooney,
Thomas Hand,
Dennis Hogan,
George W. Courts,
Alonzo Underwood.

Thirteenth Ward—Edward J. Schnur,
Joseph B. McConville,
Thomas M. Hynes,
Owen McHugh,
Dennis A. Griffith.

Fourteenth Ward—William J. Griffin,
Joseph Countess,
Stephen McDonald,
Thomas Hibbetts,
John T. Larkin.

Fifteenth Ward—George W. Behrens,
Hugh Curley,
Michael Kane,
William Hoffman,
Edward Corbett, *at large.*
Samuel J. Glenn,
Buren Hubbart, *at large.*

Lamplighters—Continued.

Sixteenth Ward—Daniel Zimmer,
Charles Karey,
William Pistel,
Thomas Bentley, Jr.,
James Rice.

Seventeenth Ward—Thomas Cunningham,
Henry E. Davis,
William Amey,
M. McMann,
Jeff Fitzgerald.

Eighteenth Ward—John Jeffers,
William Brady,
Francis Kernan, *at large*,
Michael Manning,
William H. Caulk,
John Gaston.

Nineteenth Ward—Stephen L. Hurley,
Jacob Schierlitz,
Henry Arnold,
Adam Truelieb,
Harry B. Berry.

Twentieth Ward—William J. Egan,
Nathan Wright,
J. G. Wutz,
Wm. H. L. Lockwood, *at large*,
Wm. M. Kelly,
Wm. H. Rhinehart.

Lamplighters—Concluded.

Twenty-first Ward—James A. Hamilton,
W. Stapf,
W. H. Pease,
Leroy Kidd,
George McGee,
J. Kepple,
William H. Darenberger,
Andrew Koerner,
Matthew Steinacker,
John O. Chilcoat,
Charles Kepple,
Frederick Schneider,
Adam Hahn,
Frank Waxter,
George E. Gebhardt,
W. S. J. Harris,
Joseph H. Sieck.

Twenty-second Ward—Henry Beach,
Caleb N. Williams,
J. Knight,
George H. Fisher,
George M. Hargest,
Henry D. Brown,
John F. Skipper,
Frank Deals,
Leonard Forlifer,
John H. McFall,
John W. Lee,
John H. Maxfield,
Ephraim Orem,
Edward J. White,
Henry C. Kennedy,
Thomas J. Johnson,
Chris. Fisher,
John E. McDonald.

Constables.

First	Ward	John Sanner.
"	"	Frederick C. Jacobs.
Second	"	Charles P. Dunigan.
"	"	Abraham Goldstein.
Third	"	William J. Bransby.
"	"	Theodore Dauphin.
Fourth	"	George McCart.
"	"	Sol L. Goodman.
Fifth	"	George W. Earhart.
"	"	R. G. S. House.
Sixth	"	
"	"	Joseph Varerina.
Seventh	"	Godfrey Koffenberger.
"	"	John E. Kropp.
Eighth	"	W. W. Rollins.
"	"	George H. Winchester.
Ninth	"	
"	"	James Loane.
Tenth	"	Edward A. Keyser.
"	"	R. S. Ryan.
Eleventh	"	George A. Rea.
"	"	Thomas R. Morse.
Twelfth	"	P. H. C. Stitcher.
"	"	Stephen A. Morse.
Thirteenth	"	Charles Strasser.
"	"	John Carroll.
Fourteenth	"	E. A. Letzer.
"	"	John T. Barber.
Fifteenth	"	William B. Lyons.
"	"	W. B. Saylor.

Constables—Continued.

Sixteenth	Ward	Charles B. Keyser.
"	"	Charles J. Swope.
Seventeenth	"	George W. Carrick.
"	"	David P. West.
Eighteenth	"	H. G. W. Woodall.
"	"	Geo. Hammerbacker.
Nineteenth	"	Charles H. Shipley.
"	"	Charles M. McCann.
Twentieth	"	Thomas J. Hardesty.
"	"	Andrew Greentree.
Twenty-first	"	Charles F. Pracht.
"	"	S. Otto.
Twenty-second	"	George T. Wise.
"	"	Leo Hayden.

Court House Commission.

Hon. F. C. Latrobe, *Chairman.*

Felix Agnus, Robert H. Smith,
Frank N. Hoen, N. P. Dalrymple, M.D.,
Henry D. Harlan, James E. Tate,
J. Olney Norris.

Officers of the Fire Department.

Fire Commissioners.

J. Alexander Preston, *President.*
John F. Hunter, George May.

Secretary and Clerk.

David H. Lucchesi.

Chief Engineer.

John J. Ledden.

District Engineers.

No. 1—George W. Horton,
No. 2—William White,
No. 3—William C. McAfee,
No. 4—Fielding H. Lucas,
No. 5—Frank K. Conway,
No. 6—Wm. A. Larkins.

Superintendent of Machinery.

George J. Linsenmeyer.

Superintendent of Police and Fire-Alarm Telegraph.

Charles J. McAleese.

Operators—F. L. McAleese, J. F. O'Mailey, John J. McCoy, Charles C. Prince, Michael J. Dean and John C. Galloway.

Substitute Operator—George Clark.

Lineman—John M. Nugent.

Assistant Lineman—Charles J. Hellings,
" " John Durkan,
" " Thomas W. Glass,
" " David C. Shaum.

Batteryman—Robert Kain.

No. 1 Engine.

J. Thomas Dunn ..... *Captain.*
William F. Morrow ..... *Lieutenant.*
Charles E. Freeburger ..... *Engineman.*
John W. Eckhardt ..... *Ass't Engineman.*
Lewis J. Fresch ..... *Hostler.*
Edward R. Addison ..... *Pipeman.*
Albert Oelman ..... "
Frank A. Hanssen ..... "
John J. McCarthy ..... "
George W. Bentz ..... "
Edward F. Ward ..... "

No. 2 Engine.

William R. Ward..... .....*Captain.*
George C. Young.....*Lieutenant.*
Thomas S. Atkinson.....*Engineman.*
Daniel H. Weber.....*Ass't Engineman.*
Frank Hines.....*Hostler.*
William Eckert.....*Pipeman.*
George H. Hewett..... "
William H. Bell..... "
William Birckhead..... "
Charles C. Rice..... "
Edward Tauber..... "
William Kimball..... "

No. 3 Engine.

John B. Bortell.....*Captain.*
Emil Heise..... .....*Lieutenant.*
Patrick F. Moriarity.....*Engineman.*
Jacob W. Dohler.....*Ass't Engineman.*
John F. Peerce..... .....*Hostler.*
G. Louis Schlimm..... .....*Pipeman.*
Robert H. Dougherty..... "
Herman Fumbaugh..... "
August Schlimm..... "
James T. Pearl..... "
John T. Seabreeze..... "

No. 4 *Engine.*

Herman F. Bichy.....*Captain.*
John M. Frederick.....*Lieutenant.*
William J. Dohler.....*Engineman.*
Herbert W. Peerce.....*Ass't Engineman.*
Philip L. Brady.....*Hostler.*
Constant Siebert.....*Pipeman.*
Frank C. H. Berger..... "
William A. Hall..... "
James J. McGraw..... "
Joseph Ott..... "
Henry F. Boerner..... "
William C. D. Knight..... "

No. 5 *Engine.*

Andrew W. German.....*Captain.*
Charles Rosenthal.....*Lieutenant.*
Frederick L. Nelson.....*Engineman.*
Joseph Zeidler.....*Ass't Engineman.*
Henry Murphy.....*Hostler.*
William B. Baker.....*Pipeman.*
John H. Reitz..... "
Henry R. Seippel..... "
Anthony Schoepplein..... "
John F. Bilson..... "
William Hastler..... "

No. 6 Engine.

Richard V. Pittinger.....*Captain.*
Charles Betz.....*Lieutenant.*
Matthew Mulligan.....*Engineman.*
William H. Hardy.....*Ass't Engineman.*
William H. Dunn.....*Hostler.*
George W. Fields.....*Pipeman.*
George G. Smith..... "
Isaac Cuddy..... "
George Sykes..... "
Frederick W. Harman..... "
William McK. Morrow..... "
Charles C. Stone..... "

No. 7 Engine.

Levin H. Burkhardt.....*Captain.*
Lawrence Pistel.....*Lieutenant.*
Samuel W. Stansbury.....*Engineman.*
Frank E. Nehren.....*Ass't Engineman.*
Harman Schiminger.....*Hostler.*
Charles A. Soistman.....*Pipeman.*
John Weinkamp..... "
George Schneider..... "
Frederick W. Johnson, Jr..... "
Andrew J. Ruth..... "
Andrew A. Albert..... "

No. 8 Engine.

Andrew J. Walter..... *Captain.*
Frederick W. Johnson, Sr..... *Lieutenant.*
John A. Bannon..... *Engineman.*
William F. Awalt..... *Ass't Engineman.*
James McGlennan..... *Hostler.*
Greenway B. Chapman..... *Pipeman.*
Charles Airy..... "
Jacob Rupp..... "
John Krauss..... "
John J. Murphy..... "
Thomas W. Jessop..... "

No. 9 Engine.

David H. Macaulay..... *Captain.*
Solomon Uhlfelder..... *Lieutenant.*
Daniel R. Rogers..... *Engineman.*
William H. Stanton..... *Ass't Engineman.*
William B. Baker..... *Hostler.*
James McDevitt..... *Pipeman.*
Clinton B. Baker..... "
W. F. Cuddy..... "
John Amendt..... "
Louis Lohman..... "
Gustav Miller..... "

No. 10 *Engine.*

Henry Stagge.....*Captain.*
Charles Romoser, Jr.....*Lieutenant.*
John W. Walsh.....*Engineman.*
James Nugent.....*Ass't Engineman.*
Edward Norton.....*Hostler.*
Justice G. Kielholtz.....*Pipeman.*
Samuel W. Marker..... "
Henry Zachman..... "
John Eigenbrodt..... "
Joseph A. Dermart..... "
Edward A. Ward..... "

No. 11 *Engine.*

Michael A. Lind.....*Captain.*
Thomas Flaherty.....*Lieutenant.*
John Calder.....*Engineman.*
John Lindeman.....*Ass't Engineman.*
Patrick Birthistle.....*Hostler.*
Johua H. Miller.....*Pipeman.*
Albert H. Gier..... "
George Shipley..... "
John W. Barton..... "
John F. Curry..... "
Phil. Peacock..... "

No. 12 *Engine.*

George W. Smith ..... *Captain.*
Edward C. Klessel ..... *Lieutenant.*
Michael Lycett ..... *Engineman.*
William F. Welch ..... *Ass't Engineman.*
Joseph W. Moon ..... *Hostler.*
James J. Knox ..... *Pipeman.*
Thomas Voyce ..... "
Peter McGonigle ..... "
Gerhardt Tabeling ..... "
William P. Burke ..... "
Christian Fitzberger ..... "

No. 13 *Engine.*

John Hoffman ..... *Captain.*
Thomas J. Strahler ..... *Lieutenant.*
John H. Deal ..... *Engineman.*
Edward G. Riley ..... *Ass't Engineman.*
Mark Hill ..... *Hostler.*
Philip Bowen ..... *Pipeman.*
Wilbur Pierce ..... "
James Nolen ..... "
Joseph Hummel ..... "
John W. Cook ..... "
James J. Wheeler ..... "

No. 14 *Engine.*

George A. Wright.....*Captain.*
Charles E. Dewitt.....*Lieutenant.*
John Gaffney.....*Engineman.*
Cornelius P. Kuhan.....*Ass't Engineman.*
J. T. Braden.....*Hostler.*
Charles H. Baker.....*Pipeman.*
C. Allen Orem..... "
J. Oscar Healey..... "
George E. Hibline..... "
Leonard Jessop..... "
Hugh P. Fox..... "

No. 15 *Engine.*

John Todd.....*Captain.*
Louis Harrer.....*Lieutenant.*
Edward F. Kelly..... "
John Conway.....*Engineman.*
George C. Lloyd.....*Ass't Engineman.*
John J. Cahill..... "
John F. Mackenzie.....*Hostler.*
Andrew J. Connelly.....*Pipeman.*
George H. Rush..... "
August Lang..... "
Charles L. Schulte..... "
William E. Stewart..... "
Thomas B. Strahan..... "
Michael E. Lynch..... "
Samuel E. McElwee..... "
John Kahl..... "
George Gerhardt..... "
John A. Henneman..... "
Frank Kraft..... "
Martin J. Hesmer..... "

No. 16 *Engine.*

Richard A. Lindsay.....*Captain.*
George H. Little.....*Lieutenant.*
John H. Brown.....*Pilot.*
William C. Stallings..... "
Thomas B. Meushaw.....*Engineman.*
William T. Hubbard.....*Ass't Engineman.*
John H. Stutt..... " "
John Stanton.....*Pipeman.*
Joseph Nelson..... "
James H. Hoey.....*Stoker.*
Lawrence Rudolph..... "
George Horley..... "

No. 17 *Engine.*

John Prenger.....*Captain.*
William J. Stewart.....*Lieutenant.*
Thomas F. Sexton.....*Engineman.*
Elijah J. B. Moore.....*Ass't Engineman.*
Hunter S. Shettle.....*Hostler.*
John F. Pons.....*Pipeman.*
Henry Ludwig..... "
James Catterton..... "
Casper Kraft..... "
Benjamin V. Beyer..... "
John Moeller..... "
George J. Belzner..... "

No. 18 *Engine.*

Frederick Brannan.....*Captain.*
William H. Quincy.....*Lieutenant.*
Thomas S. Brown.....*Engineman.*
John I. Cranford.....*Ass't Engineman.*
John W. Potts.....*Hostler.*
Robert H. Blatchley.....*Pipeman.*
Henry A. Moeller..... "
Andrew J. McCormick..... "
Michael J. Griffin..... "
William J. McDonald..... "
William C. McKenna..... "
Thomas H. Sutton..... "

No. 19 *Engine.*

Benjamin Price.....*Captain.*
George E. Croucher.....*Lieutenant.*
John N. Bletzer.....*Engineman.*
Jacob S. Corns.....*Ass't Engineman.*
Michael Farley.....*Hostler.*
John F. Maguire.....*Pipeman.*
John A. McKew..... "
Charles C. Neilson..... "
Harry F. Bodge..... "
John W. Schaeffer..... "
John E. Wallace..... "
James Hart..... "

No. 1 *Hook and Ladder.*

E. Louis Shipley.....*Captain.*
Thomas Kerr.....*Lieutenant.*
George W. Haskell.....*Tillerman.*
Andrew Orr.....*Ass't Tillerman.*
John T. Mulligan.....*Hostler.*
Martin Kirby.....*Ladderman.*
Joseph Daily..... "
Zach. T. Seabreeze..... "
Robert B. Edwards..... "
Beverly R. Waugh..... "
James P. Lyons..... "

No. 2 *Hook and Ladder.*

August Emerick.....*Captain.*
John W. Kelly.....*Lieutenant.*
John W. Blake.....*Tillerman.*
Alonzo Travers.....*Ass't Tillerman.*
Joseph Lavender.....*Hostler.*
James A. Campbell.....*Ladderman.*
William H. Stapf..... "
Paul L. Linde..... "
Harry J. Carle..... "
George M. Cassedy..... "
Cooper Elliott..... "

No. 3 *Hook and Ladder.*

George W. Foxwell.....*Captain.*
Peter Nelson.....*Lieutenant.*
John M. Downs.....*Tillerman.*
John Koos.....*Ass't Tillerman.*
John Croucher.....*Hostler.*
Bernhard P. Rudel.....*Ladderman.*
John McClellan..... "
James F. Reilly..... "
Robert R. Perry..... "
George B. King..... "
Frederick Grauling..... "
Thomas Toal..... "

No. 4 *Hook and Ladder.*

John F. Kelly.....*Captain.*
John H. Morgan.....*Lieutenant.*
John Kurne.....*Tillerman.*
George Kennard.....*Ass't Tillerman.*
Malcolm Jordan.....*Hostler.*
Jacob A. Wisong.....*Ladderman.*
George E. Gill..... "
John J. Gill..... "
Charles Sapp..... "
William C. Connor..... "
Samuel A. Seymour..... "
Joseph Neubert..... "

No. 5 Hook and Ladder.

William H. Hartman ..... *Captain.*
Lawrence Blake ..... *Lieutenant.*
William T. Johns..... *Tillerman.*
Peter B. Mullen ..... *Ass't Tillerman.*
William Quinn..... *Hostler.*
Howard E. Curry..... *Ladderman.*
William Wiley..... "
Robert L. King..... "
Elias G. Kipp ..... "
William H. Cullen..... "
James McCarron..... "
Harry F. Bodge ..... "
Amos G. Bramble ..... "

No. 6 Hook and Ladder.

Thomas D. O'Keefe..... *Captain.*
Frederick G. Beck..... *Lieutenant.*
James Gill..... *Tillerman.*
Antone Kemp..... *Ass't Tillerman.*
George D. Taylor..... *Hostler.*
William L. Dailey..... *Ladderman.*
Daniel Vogelgesang..... "
William Lalotte..... "
Louis Matthai..... "
Charles F. Fay..... "
Henry Toepfer..... "
William Leonard..... "

No. 10 *Hook and Ladder.*

Thomas Montgomery.....*Captain.*
William A. Meushaw.....*Lieutenant.*
William F. Beall.....*Tillerman.*
John L. Emmerson.....*Ass't Tillerman.*
Thomas H. Wright.....*Hostler.*
J. Fred Schaefer.....*Ladderman.*
John M. Gilliland..... "
John Sullivan..... "
George F. Thompson..... "
Frederick Viehmyer..... "
Edward Meinetzberger..... "
James B. Kelly..... "

Fire Department—Annex.

No. 1 Chemical Engine.

Edward W. Steinacker ..... *Captain.*
John A. Epp ..... *Hostler.*
Antone Yienger ..... *Pipeman.*

No. 2 Chemical Engine.

James H. Merrick ..... *Captain.*
James K. Merriken ..... *Hostler.*
Christian Freyer ..... *Pipeman.*

No. 3 Chemical Engine.

James A. Clark ..... *Captain.*
Charles E. Brown ..... *Hostler.*
Charles M. Johannes ..... *Pipeman.*

No. 4 Chemical Engine.

William H. Taylor ..... *Captain.*
William Lamb ..... *Hostler.*
John R. Miller ..... *Pipeman.*
Joseph J. Poat ..... "

No. 5 Chemical Engine.

Samuel R. Watkins ..... *Captain.*
Robert F. McFarland ..... *Hostler.*
Henry J. Linck ..... *Pipeman.*

No. 6 Chemical Engine.

Frank Maher ..... *Captain.*
Zachariah H. Foote ..... *Hostler.*
Frank Doerer ..... *Pipeman.*

No. 7 Chemical Engine.

James J. Reynolds ..... *Captain.*
James L. Clarken ..... *Hostler.*
John L. Thomas ..... *Pipeman.*

No. 7 Hook and Ladder.

Joseph J. Presley..... *Hostler.*

No. 8 Hook and Ladder.

John L. Durham..... *Hostler.*

No. 9 Hook and Ladder.

George U. McFadden..... *Hostler.*

Judges and Clerks of Courts.

Hon. Henry D. Harlan,
" J. Upshur Dennis,
" Albert Ritchie,
" Charles E. Phelps,
" Pere L. Wickes,
" Daniel Giraud Wright.
" John J. Dobler.

Clerk of the Superior Court.

James Bond.

Clerk of the Court of Common Pleas.

John T. Gray.

Clerk of the Circuit Court.

Alvin Robertson.

Clerk of the Circuit Court No. 2.

William R. Brewer.

Clerk of the Criminal Court.

Hiram G. Dudley.

Clerk of the City Court.

Henry A. Schultz.

COMMITTEES

— OF THE —

CITY COUNCIL OF BALTIMORE

FOR THE YEAR 1894-95.

JOINT STANDING COMMITTEES.

WAYS AND MEANS.

First Branch.	*Second Branch.*
Langhammer, John F.	Deupert, Adam
McClellan, James E.	Fahey, John T.
Clay, William C.	McMahon, Terrence

BRIDGES.

First Branch.	*Second Branch.*
Stewart, Walter H.	Barnes, Hanson P.
Langhammer, John F.	Swindell, Walter B.
Hoffmann, Louis	Rodgers, Patrick

WATER.

First Branch.	*Second Branch.*
Doyle, James	Rodgers, Patrick
Stewart, Walter H.	Barnes, Hanson P.
Hoffmann, Louis	Swindell, Walter B.

CLAIMS.

First Branch.	*Second Branch.*
Hennighausen, Percy C.	Kelso, John R.
Clay, William C.	Fahey, John T.
Stewart, Walter H.	Deupert, Adam

HIGHWAYS.

First Branch.	*Second Branch.*
Minifie, James W.	Fahey, John T.
Langhammer, John F.	Mitchell, Charles T.
Hoffmann, Louis	Spindler, Frederick

HEALTH.

First Branch.	*Second Branch.*
Thompson, Levi A.	McMahon, Terrence
Wagoner, Milton H.	Rodgers, Patrick
Davis, Samuel G.	Barnes, Hanson P.

MARKETS.

First Branch.	*Second Branch.*
Windfelder, John H.	Rigger, Lawrence
Thompson, Levi A.	Kelso, John R.
Doyle, James	Barnes, Hanson P.

CITY PROPERTY.

First Branch.	*Second Branch.*
Seim, Henry,	McMahon, Terrence,
Hennighausen, Percy C.	Swindell, Walter B.
Wagoner, Milton H.	Fahey, John T.

EDUCATION.

First Branch.	*Second Branch.*
Clay, William C.	Mitchell, Charles T.
Hoffmann, Louis	Kelso, John R.
Langhammer, John F.	Deupert, Adam

HOUSE OF REFUGE.

First Branch.	*Second Branch.*
Heinemann, John	Swindell, Walter B.
McClellan, James E.	Spindler, Frederick
Harrison, Robert W.	McMahon, Terrence

INTERNAL IMPROVEMENTS.

First Branch.	*Second Branch.*
Leonard, John F.	Kelso, John R.
Seim, Henry	Fahey, John T.
Davis, Samuel G.	Deupert, Adam

FIRE DEPARTMENT.

First Branch.	*Second Branch.*
Wagoner, Milton H.	McMahon, Terrence,
Davis, Samuel G.	Mitchell, Charles T.
Clay, William C.	Rigger, Lawrence

POLICE AND JAIL.

First Branch.	*Second Branch.*
Davis, Samuel G.	Rodgers, Patrick
Wagoner, Milton H.	Rigger, Lawrence
Thompson, Levi A.	Spindler, Frederick

HARBOR.

First Branch.	*Second Branch.*
Harrison, Robert W.	Barnes, Hanson P.
Wagoner, Milton H.	Mitchell, Charles T.
McClellan, James E.	Spindler, Frederick

CITY PASSENGER RAILWAYS.

First Branch.	*Second Branch.*
McClellan, James E.	Deupert, Adam
Hennighausen, Percy C.	Rigger, Lawrence
Minifie, James W.	Spindler, Frederick

ALMSHOUSE.

First Branch.	*Second Branch.*
Brennan, Michael E.	Barnes, Hanson P.
Clay, William C.	Kelso, John R.
Minifie, James W.	Rigger, Lawrence

JONES' FALLS.

First Branch.	*Second Branch.*
Doyle, John F	Spindler, Frederick
Thompson, Levi A.	Rodgers, Patrick
Hoffmann, Louis	Swindell, Walter B.

McDONOGH BEQUEST.

First Branch.	*Second Branch.*
Robertson, William J.	Swindell, Walter B.
Doyle, James	Deupert, Adam
Wagoner, Milton H.	Mitchell, Charles T.

PARKS.

First Branch.	*Second Branch.*
Hoffmann, Louis	Spindler, Frederick
Davis, Samuel G.	Rigger, Lawrence
Harrison, Robert W.	Barnes, Hanson P.

COMMERCE AND MANUFACTURES.

First Branch.	*Second Branch.*
Yewell, Francis E.	Swindell, Walter B.
McClellan, James E.	McMahon, Terrence
Harrison, Robert W.	Mitchell, Charles T.

PRINTING.

First Branch.	*Second Branch.*
Doyle, James	Rigger, Lawrence
Windfelder, John H.	Barnes, Hanson P.
Clay, William C.	Spindler, Frederick

ENROLLMENT.

First Branch.	*Second Branch.*
Jones, John M.	Deupert, Adam
Hennighausen, Percy C.	Kelso, John R.

JOINT SELECT COMMITTEES.

REGISTER'S ACCOUNTS.

First Branch.	*Second Branch.*
Hoffmann, Louis	Deupert, Adam
Hennighausen, Percy C.	Rodgers, Patrick
Wagoner, Milton H.	Fahey, John T.

COMMISSIONERS OF PUBLIC SCHOOLS ACCOUNTS.

First Branch.	*Second Branch.*
Harrison, Robert W.	Mitchell, Charles T.
Davis, Samuel G.	Rigger, Lawrence
Minifie, James W.	Rodgers, Patrick

COMMISSIONERS OF FINANCE ACCOUNTS.

First Branch.	*Second Branch.*
Davis, Samuel G.	Swindell, Walter B.
Harrison, Robert W.	Fahey, John T.
Hoffmann, Louis	Rodgers, Patrick

COMPTROLLER'S ACCOUNTS.

First Branch.	*Second Branch.*
Hennighausen, Percy C.	Swindell, Walter B.
Wagoner, Milton H.	McMahon, Terrence
Hoffmann, Louis	Spindler, Frederick

WATER COMMISSIONERS' ACCOUNTS.

First Branch.	*Second Branch.*
Doyle, James	Kelso, John R.
Thompson, Levi A.	Barnes, Hanson P.
Langhammer, John F.	Deupert, Adam

CITY COMMISSIONERS' AND HARBOR COMMISSIONERS' ACCOUNTS.

First Branch.	*Second Branch.*
McClellan, James E.	McMahon, Terrence
Clay, William C.	Spindler, Frederick
Minifie, James W.	Mitchell, Charles T.

HEALTH COMMISSIONER'S ACCOUNTS.

First Branch.	*Second Branch.*
Thompson, Levi A.	Spindler, Frederick
Doyle, James	Rodgers, Patrick
Langhammer, John F.	Rigger, Lawrence

COMMISSIONERS OF FIRE DEPARTMENT ACCOUNTS.

First Branch.	*Second Branch.*
Clay, William C.	Mitchell, Charles T.
Minifie, James W.	Swindell, Walter B.
McClellan, James E.	Deupert, Adam

Joint Special Committee for the Introduction of the Waters of the Gunpowder River into the City.

First Branch.	*Second Branch.*
Brennan, Michael E.	Swindell, Walter B.
Heinemann, John	Deupert, Adam
Langhammer, John F.	Rigger, Lawrence
Thompson, Levi A.	Kelso, John R.
Hoffmann, Louis	Barnes, Hanson P.

ANNUAL REPORT

OF THE

Trustees of the McDonogh Fund,

JANUARY, 1895.

BOARD OF TRUSTEES.

1894-'95.

OFFICERS:

DAVID L. BARTLETT, *President.*
GERMAN H. HUNT, *Vice-President.*
ROBERT H. SMITH, *Secretary.*
DAVID L. BARTLETT, } *Treasurer Barnum and Tagart Bequests.*

TRUSTEES:

DAVID L. BARTLETT.....205 East German street.
GERMAN H. HUNT.....Equitable Building.
ENOCH G. HIPSLEY.....Old Town Bank.
WILLIAM KEYSER.....205 East German street.
JULIAN LE ROY WHITE.....12 St. Paul street.
ROBERT H. SMITH.....622 Equitable Building.
E. STANLEY GARY.....108 West German street.

STANDING COMMITTEES:

Finance.
WILLIAM KEYSER, E. S. GARY.

Education.
G. H. HUNT, WILLIAM KEYSER.

Barnum and Tagart Bequests.
G. H. HUNT, J. L. WHITE.

Buildings.
G. H. HUNT, E. S. GARY.

Legislation.
R. H. SMITH, J. L. WHITE.

Farm and Lands.
E. G. HIPSLEY, R. H. SMITH.

Housekeeping and Supplies.
G. H. HUNT, E. G. HIPSLEY.

NOTE.—The President of the Board is chairman of each of the Standing Committees.

REPORT OF THE PRESIDENT.

OFFICE OF THE McDONOGH EDUCATIONAL FUND AND INSTITUTE,

BALTIMORE, February 11, 1895.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

In presenting to the Mayor and City Council the annual report of the McDonogh Educational Fund and Institute, in compliance with the ordinance creating the Board of Trustees, we would say that we are thankful that the health of the pupils of the school has been unusually good, no serious sickness having occurred during the year.

The school has been increased by 15 additional boys, making the whole number at present 140. It is interesting to observe the improvement in the boys when sent up to the school. Many of them are taken from homes where there are few comforts and scant food. When their friends see them after a residence of two or three months at the school, they can hardly recognize them, they improve so much in their physical appearance. Good, wholesome food and fresh air have seemed to give them new life.

Since the last report the gymnasium has been finished and was in use most of last winter. It has answered perfectly the purpose for which it was built. There has been but little apparatus supplied, the Board believing that the boys get sufficient exercise in the open air in good weather, and the room gives a place for them to gather for in-door sports in inclement weather. A cottage has been erected for a teachers' residence, it having been the policy of the Board to make a home for them if they desire to marry, and thus add to the social circle and make a tie to retain them after they become thoroughly acquainted with the curriculum of studies and the discipline of the school. One of the cottages occupied by a farm-hand had become practically uninhabitable; this has been rebuilt during the past season and made comfortable. This completes all of the buildings, and there will be little done in that direction, except necessary repairs, for some time to come.

The principal and teachers have been efficient, and the progress of the boys has been satisfactory. The increased number of the boys has added to the responsibility of the matron, but we are pleased to say she has met the responsibility to our entire satisfaction. The farm has been much improved in the last year, and Mr. Fringer, the manager, has done it economically.

A claim was made upon the Board of Trustees during

the year by the City of New Orleans for one-half of the value of two tracts of land in the Parish of St. James, Louisiana, from which she had been by legal proceedings evicted. Upon investigation it was found that, as a matter of fact, upon proceedings duly instituted, the City of New Orleans had been evicted from one tract in St. James Parish, containing forty-seven thousand eight hundred and eleven and five-one-thousandths acres, and valued at ten thousand dollars, and from an undivided one-third of a tract in the same parish containing eighteen thousand and seventy-nine acres, and valued at two thousand dollars. These tracts had been awarded to the City of New Orleans in the partition of John McDonogh's estate.

It was also found that, several years ago, in a similar case, in which the City of Baltimore had been evicted from certain tracts of land awarded her in the partition of the McDonogh estate, the City of New Orleans had paid the City of Baltimore one-half of the value of said tracts. By the Louisiana code, in a case of partition, there is an implied warranty annexed to the titles of the parties to whom land is awarded which would almost certainly have made our trust liable for the claims made by New Orleans.

Under all the circumstances the Board of Trustees felt that the City of New Orleans was legally and

justly entitled to be paid one-half of the value of the land from which she had been evicted, and the sum of six thousand dollars was accordingly paid her attorney in settlement of this claim.

Very respectfully,

D. L. BARTLETT, *President.*

REPORT OF THE FINANCE COMMITTEE.

BALTIMORE, January 1, 1895.

To the Trustees of the
McDonogh Educational Fund and Institute:

GENTLEMEN:

The following is a statement of receipts and disbursements of the McDonogh Fund from January 1, 1894, to December 31, 1894.

RECEIPTS.

Cash on hand as shown by last report	$ 8,344 04
Interest on city stocks	38,046 00
From Baltimore Trust and Guarantee Company	10,332 74
Interest from Baltimore Trust and Guarantee Company	21 81
Royalty from stone quarry	391 05
From George F. Nardin, in full of account	60 44
From sales of wheat	717 43
From the Treasurer of the Barnum Bequest	7,236 06
	$65,149 57

Receipts brought forward			$65,149 57

DISBURSEMENTS.

Paid City of New Orleans in settlement of all demands against Baltimore growing out of eviction from land received by New Orleans in partition of McDonogh estate		$ 6,000 00	
Gymnasium building, payments		19,622 77	
New school building, payments		358 71	
New cottages, payments		3,717 90	
Insurance on gymnasium and buildings		337 50	
Advertising and sundry expenses		49 44	
Western Maryland Railroad transportation		25 85	
Treasurer's bond, premium		50 00	
Taxes on New Orleans property		90 98	
Expenses of the trust		400 00	
		$30,653 15	
Additions to house furniture	$252 64		
Additional class rooms	119 50		
Stone for walks	206 00		
On account of farm	202 39		
Amts. carried forward	$780 53	$30,653 15	$65,149 57

Amts. brought forward.	$780 53	$30,653 15	$65,149 57
Additions to farm implements	600 00		
Additions to live stock.	75 00		
On account of garden and orchard	93 02		
		1,548 55	
For expenses of tuition.	$7,430 66		
For expenses of house and lodging	7,116 27		
For expenses of subsistence	9,669 23		
For expenses of clothing.	3,647 84		
For construction and repairs	1,321 17		
For medical attendance.	184 76		
For library and school apparatus	351 62		
For office stationery	90 29		
For general expenses	994 37		
		30,806 21	
For Barnum wood shops.	$753 08		
For Barnum printing office	482 98		
		1,236 06	
			64,243 97
Balance of cash on hand			$905 60

INVESTMENTS.

The following statement shows how the McDonogh Fund is invested and the present value of the trust:

BALTIMORE CITY STOCK.

Funding Loan of 1900, interest at 6 per cent., payable January 1, April 1, July 1, and October 1.....	$85,200 00
Jones Falls Loan of 1900, interest at 5 per cent., payable February 1, May 1, August 1, and November 1...	30,000 00
City Hall Loan of 1902, interest at 6 per cent., payable January 1, April 1, July 1, and October 1....	1,800 00
Western Maryland Loan of 1902, interest at 6 per cent., payable January 1 and July 1.....	1,500 00
Funding Loan of 1916, interest at 5 per cent., payable May 1 and November 1...	310,000 00
McDonogh Extension Loan of 1916, interest at 5 per cent., payable March 1 and September 1.....	280,000 00
	$708,500 00

Amt. brought forward.....	$708,500 00	
Internal Improvement Loan of 1928, interest at 3½ per cent., payable January 1 and July 1.....	18,600 00	
Consolidated Loan of 1930, interest at 3½ per cent., payable January 1 and July 1.....	31,000 00	
		$758,100 00
REAL ESTATE.		
McDonogh Farm and Improvements.....	$127,500 00	
Payments on account of real estate in Louisiana.....	17,776 73	
New school buildings.....	175,241 90	
New barn, stable, wagon shed, and water supply.....	9,942 03	
Gymnasium building.....	31,203 66	
New cottages.....	5,608 72	
		$367,273 04
PERSONAL PROPERTY.		
Live stock on McDonogh farm.....	$4,375 00	
Household furniture and material.....	8,850 75	
Library, furniture and instruments.....	1,500 00	
Farm implements.....	2,800 00	
		17,525 75
Amount of cash on hand.....		905 60
Amount carried forward.....		$1,143,804 39

Amount brought forward.....		$1,143,804 39
Deduct amount due to Tagart bequest.	$14,613 75	
Less furniture transferred.....	4,113 75	
	$10,500 00	
Deduct amount due to Barnum bequest.....	6,142 50	
		16,642 50
Present value of the trust.....		$1,127,161 89

LOUISIANA PROPERTY.

In addition to the real estate, stocks, etc., already enumerated, the trust owns the following properties in the State of Louisiana:

LIVAUDAIS TRACT.

A one-half undivided interest with New Orleans to 177 arpents of land lying in the rear of the city of New Orleans, known as the "Livaudais Tract." The partition of this tract has never been made so as to ascertain the respective rights of the parties in and to the same, and the suit is still pending in regard to it. It is alleged New Orleans holds possession of a portion of this which belongs to Baltimore.

ST. BERNARD AND ORLEANS PARISHES.

A small tract in the rear of Versailles, parishes of St. Bernard and Orleans, bought in by Baltimore under a judgment in its favor, at $280.

ST. BERNARD PARISH.

One hundred and eighty-five squares of ground in the rear of Versailles, parish of St. Bernard, sold in 1859 to W. Dunbar for $2,000, but not paid for.

NEW ORLEANS.

Twenty-four certain lots of ground situated in the city of New Orleans, in the square known as Number 370, bounded by Toulouse, White, Saint Peter, and Duprez streets, said property having been bought in by Baltimore at a tax sale, 5th of October, 1875, for $138.85, it having been sold for payment of taxes due by J. O. Theard, a debtor to Baltimore. Property assessed at $2,000.

BALANCE SHEET.

The books of account containing the various items embraced in the foregoing statements were duly balanced on 31st ultimo, and the committee now present for your examination a Balance Sheet of the Trust Ledger, showing the investments of the trust funds on January 1, 1895.

Dr. BALANCE SHEET. *Cr.*

Baltimore city stocks...	$758,100 00	McDonogh Trust Fund	$1,127,161 89
McDonogh farm.....	127,500 00	Tagart bequest.....	10,500 00
Real estate, Louisiana..	17,776 73	Barnum bequest.....	6,142 50
New school buildings..	175,241 90		
Barn, stable, water wks.	9,942 03		
Gymnasium building...	31,203 66		
New cottages.....	5,608 72		
Live stock on farm.....	4,375 00		
Household furniture....	8,850 75		
Library and instr'mnts.	1,500 00		
Farming implements....	2,800 00		
Cash.....	905 60		
	$1,143,804 39		$1,143,804 39

Respectfully submitted,

DAVID L. BARTLETT,
WILLIAM KEYSER,
E. STANLEY GARY,

Finance Committee.

STATE OF MARYLAND, *City of Baltimore, sct:*

I hereby certify that on this 12th day of January, A.D. 1895, personally appeared before me, a Justice of the Peace in and for the city and State aforesaid, David L. Bartlett, President of the Board of Trustees of the McDonogh Educational Fund and Institute, and William Keyser and E. Stanley Gary, two of the trustees thereof, and did each make oath in due form of law, that the matters stated in the foregoing reports are true, to the best of their knowledge and belief.

Sworn before JOHN L. HEBB,

Justice of the Peace.

THE ZENUS BARNUM BEQUEST.

BALTIMORE, January 1, 1895.

To the Board of Trustees of the
McDonogh Educational Fund and Institute:

GENTLEMEN:

The undersigned, Treasurer of the fund created by the will of Zenus Barnum, deceased, hereby reports that the receipts and disbursements from January 1, 1894, to January 1, 1895, have been as follows:

RECEIPTS.

Cash on hand as shown by last report	$5,626 22
Ground rent	300 00
Dividends	219 60
Coupons paid	2,710 00
Interest on city stock	1,470 00
Interest on Baltimore and Ohio Railroad Preferred stock	150 00
	$10,475 82

Amount brought forward		$10,475 82

DISBURSEMENTS.

Louisville, Evansville and St. Louis Railroad coupons in default—refunded bank	$ 125 00	
Paid Thomas A. Whelan, taxes	6 61	
Baltimore Trust and Guarantee Co., box rent	30 00	
Express charges on bonds	2 80	
Loan to McDonogh Fund	6,000 00	
Expenses of wood shops	$753 08	
Expenses of printing office	482 98	
	1,236 06	
		7,400 47
Balance of cash on hand		$3,075 35

INVESTMENTS.

The following is a list of the securities now held for the benefit of this bequest:

Baltimore City Stock, 3½ per cent., 1930	$30,000 00
Baltimore City Stock, 6 per cent., 1900	7,000 00
Georgia, Carolina and Northern Railroad Bonds, 5 per cent., 1929	8,000 00
Virginia and Tennessee Railroad Bonds, 8 per cent., 1900	6,000 00
Amount carried forward	$51,000 00

Amount brought forward		$51,000 00
Georgia Pacific Railroad Bonds, 1922, interest at 5 per cent. until January, 1898, 6 per cent. thereafter		8,000 00
Ohio and Mississippi Railroad Bonds, Springfield Division, 7 per cent., 1905		5,000 00
Louisville, Evansville and St. Louis Railroad Bonds, 1939, 5 per cent. (Defaulted in interest)		5,000 00
City of Lynchburg Bonds, 5 per cent., 1916.		4,000 00
Town of Salem, N. C., Bonds, 5 per cent.		5,000 00
Western Maryland Railroad Bonds, guaranteed, 6 per cent., 1900		3,000 00
Northern Central Railroad Bonds, 6 per cent., 1900		3,000 00
Pittsburg and Connellsville Railroad Bonds, 7 per cent., 1898		1,000 00
		$85,000 00
Maryland Fire Insurance Company Stock, 80 shares, par $5	$ 400 00	
Baltimore and Ohio Preferred Stock, 25 shares, par 100	2,500 00	
Fireman's Insurance Company of Baltimore Stock, 60 shares, par $18	1,080 00	
Amounts carried forward	$3,980 00	$85,000 00

Amounts brought forward....	$3,980 00	$85,000 00
Girard Fire Insurance Company of Philadelphia Stock, 6 shares, par 100.....	600 00	
Southern Railway Company Preferred Stock, 4 shares, par $100.	400 00	
		4,980 00
		$89,980 00

In addition to the stocks and bonds above enumerated, the trust owns a sub-ground-rent on property on Fort avenue, Baltimore, yielding $300 per annum.

Respectfully,

D. L. BARTLETT, *Treasurer.*

THE SAMUEL H. TAGART BEQUEST.

BALTIMORE, January 1, 1895.

To the Trustees of the
McDonogh Educational Fund and Institute:

GENTLEMEN:

The undersigned, Treasurer of the Fund created by the will of Samuel H. Tagart, deceased, hereby reports that the receipts and disbursements from January 1, 1894, to January 1, 1895, have been as follows:

RECEIPTS.

Cash on hand as shown by last report	$232 79
Rebate in purchase of bonds	50 00
Dividend from Academy of Music	66 66
Rent from Courtland street property	331 79
Rockland farm, rent in full	6 00
Brush Electric Company, for interest	156 75
Baltimore Trust and Guarantee Company, interest on deposit	24 34
C. J. Moore, in adjustment of interest to January 1, 1894	158 80
C. J. Moore, interest on mortgage	440 00
W. Fell Johnson, interest on mortgage	800 00
Coupons paid	3,917 50
Ground rents collected	2,556 98
Baltimore Trust and Guarantee Company	10,808 78
	$19,550 39

Receipts brought forward			$19,550 39

DISBURSEMENTS.

Paid Sams & Johnson for legal services in sale of Rockland and Garrison farm properties	$ 160 00		
Paid G. Albert Mays, treasurer, county and State taxes	203 28		
Paid Louisa C. Taylor, ground rent	138 00		
Taxes on Courtland street property	173 84		
Taxes in adjustment with W. Fell Johnson	181 61		
Box rent, Baltimore Trust and Guarantee Company	25 00		
Deposit, Baltimore Trust and Guarantee Company	158 80		
Annuity to Sally Hathaway	150 00		
Annuity to Martha Ann Tucker, now deceased	131 25		
City and State taxes on bonds held by S. T. Steele, executor, due for 1892, on $37,775	762 01		
For purchase of sundry bonds, namely:			
5,000 City and Suburban Railway, 5's	$5,287 50		
500 Consolidated Gas Company, 6's	568 75		
Amts. carried forward	$5,856 25	$2,083 79	$19,550 39

Amts. brought forward	$5,856 25	$2,083 79	$19,550 39
5,000 Manchester & Augusta R. R., 5's	5,029 17		
50 Brush Electric Company, 5's, bond scrip	45 00		
		10,930 42	
			13,014 21
Balance of cash on hand			$6,536 18

INVESTMENTS.

The following is a list of securities now held for the benefit of this bequest:

BONDS.

City of Cumberland, Md., 5 per cent, 1922	$ 9,000 00
City of Bristol, Tenn., 6 per cent., 1922	5,000 00
City of Atlanta, Ga., 4½ per cent., 1922	10,000 00
City of Savannah, Ga., 5 per cent., 1909	5,000 00
Town of Salem, N. C., 5 per cent., 1931	10,000 00
Baltimore Traction Company, 6 per cent., 1901	10,000 00
Baltimore City Passenger Railway Company, 5 per cent., 1911	5,000 00
City and Suburban Railway Company, 5 per cent., 1922	5,000 00
Manchester and Augusta Railroad Company, 5 per cent., 1943	5,000 00
Chattanooga Electric Railway Company, 6 per cent., 1909	5,000 00
Brush Electric Company, 5 per cent., 1924	5,500 00
Consolidated Gas Company, 6 per cent., 1910	500 00
	$75,000 00

BILLS RECEIVABLE.

C. J. Moore, on mortgage at 5 per cent., interest payable semi-annually		$17,600 00
W. Fell Johnson, on mortgage at 5 per cent., interest payable semi-annually		16,000 00
McDonogh Trust Fund	$14,613 75	
Less furniture transferred	4,113 75	
		10,500 00

GROUND RENTS.

$2,739.06 on 36 pieces of property.

BRUSH ELECTRIC LIGHT COMPANY.

5.45 Shares common stock, par $100.

ACADEMY OF MUSIC STOCK.

1½ Shares, par $1,000.

PERPETUAL POLICY OF INSURANCE.

$125 Baltimore Equitable Society.

LEASEHOLD PROPERTY.

House No. 421 Courtland street, ground rent $138 per annum.

Respectfully,

D. L. BARTLETT, *Treasurer.*

STATUTES AND ORDINANCES

RELATING TO THE

CITY COMMISSIONER'S

DEPARTMENT,

PRINTED BY ORDER OF THE MAYOR AND CITY COUNCIL OF BALTIMORE.

JULY, 1895.

COMPILED BY CONWAY W. SAMS.

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STATUTES.

HOURS OF LABOR.

1. No mechanic nor laborer employed by the Mayor and City Council of Baltimore, or by any officer, agent or contractor under them, shall be required to work more than nine hours per day as a day's labor; provided, however, that this section shall not apply to mechanics and laborers whose hours of labor are already fixed at less than nine hours per day; and provided further, that the provisions of this act shall not apply to the employees of the Fire Department, Bay View Asylum or the Baltimore City Jail. Any such officer, agent or contractor who shall require any mechanic or laborer to work more than nine hours per day, contrary to the provisions of this section, shall be fined not less than ten dollars nor more than fifty dollars for each offence; one-half of such fine to go to the informer; said fines to be collected as other fines are collected by law.

Act of 1892, *Ch.* 286.

Nine hours to be a day's labor for certain city employees.

RAILROADS.

2. It shall not be lawful for any person or corporation to lay any railway tracks upon Mt. Royal avenue between Guilford and North avenues, or upon Cathedral street between Saratoga street and Mt. Royal avenue, or upon St. Paul street from Baltimore street northerly to the city limits, or upon Calvert street from Read street northerly to the city limits, or upon Gough street

1892, *Ch.* 115.

What streets not to be used.

from Bond street easterly to Patterson Park avenue, or upon Broadway from Baltimore street north to North avenue, except upon the streets where tracks are now laid, without the consent of the General Assembly of Maryland; provided, that this act shall not restrict in any way the right of any passenger railway company now incorporated, or that may hereafter be incorporated, to cross any of said streets and avenues where such railway company shall be authorized by the Mayor and City Council of Baltimore to use any street or avenue opening into any of the streets and avenues named in this act.

1894, *Ch.* 69.

3. It shall not be lawful for any person or corporation to lay any railway tracks upon McCulloh street between Eutaw street and North avenue without the consent of the General Assembly of Maryland; provided, that this act shall not restrict in any way the right of any passenger railway company now incorporated, or that may hereafter be incorporated, to cross said street where such railway company shall be authorized by the Mayor and City Council of Baltimore to use any street or avenue opening into said street.

Streets not to be used.

1894, *Ch.* 150.

4. It shall not be lawful for any person or corporation to lay any railway tracks upon Baltimore street between Patterson Park avenue and Canton street, in the city of Baltimore, or on Barclay street, in the city of Baltimore, or on Biddle street, in Baltimore city, between Broadway and Maryland avenue; provided, however, that nothing contained in this act shall prevent the crossing of Barclay street by any companies duly authorized, without the consent of the General Assembly of Maryland.

Streets not to be used.

1894, *Ch.* 123.

No railroad tracks to be placed on N. Eutaw st. extd.

5. That the Mayor and City Council of Baltimore be and is hereby authorized and empowered to accept from the owners thereof a deed of the land lying in the bed of Eutaw place extended, between North avenue on the southeast and Druid Hill avenue on the northwest, in consideration of an agreement on the part of said grantee, to be incorporated therein, that no street car or other railroad tracks shall at anytime thereafter be located or placed on any part thereof. Upon the execution of said deed and acceptance thereof by the Mayor and City Council of Baltimore embodying said contract prohibiting the locating or placing car tracks upon any part of the land so to be granted, the said contract shall be and is hereby declared to be forever thereafter inviolable; provided, however, that nothing herein contained shall prevent the Mayor and City Council of Baltimore from authorizing by ordinance the location or construction of car tracks on such part of the bed of said street as are contained within the limits of intersecting or cross streets that are now or may hereafter be provided for by ordinance of said Mayor and City Council.

1894, *Ch.* 439.

No railroad tracks to be placed on N. Caroline st.

6. It shall not be lawful for any person or corporation to lay any railway tracks upon North Caroline street between Preston street and East North avenue without the consent of the General Assembly of Maryland; provided that this Act shall not restrict in any way the right of any passenger railway now incorporated, or that may hereafter be incorporated, to cross said street, where such railway company shall be authorized by the Mayor and City Council of Baltimore to use any street or avenue opening into said street.

SEWERS.

P. L. L., 1888, *Art.* 4, *Sec.* 792.

7. The Mayor and City Council have full power to pave and keep in repair all necessary drains and sewers; to pass all regulations necessary for the preservation of the same, and to authorize any person appointed by them for that purpose to enter upon the lots, grounds and possessions of any person or body politic, through which the common sewers run, or ought to run, to regulate, make or repair the same.

Power to repair

Kirby *vs.* Citizen's Railway Co., 48 Md., 168. Kranz *vs.* Mayor, etc., 64 Md., 491.

P. L. L., 1888, *Art.* 4, *Sec.* 793.

8. If any person shall willfully stop up or obstruct the passage of the waters of any of the common sewers, he shall forfeit and pay the sum of one hundred dollars.

Obstruction, penalty.

P. L. L., 1888, *Art.* 4, *Sec.* 794.

9. The Mayor and City Council of Baltimore shall have full power to provide for constructing, opening, enlarging or straightening any sewer through any street, lane or alley, or through any private property, upon giving thirty days' notice in writing to the owners or agents of said private property within the bounds of the city, when in their opinion the convenience or welfare of the city may require it; to provide for ascertaining whether any and what amount of actual damage will accrue thereby, and what amount of actual benefit will thereby accrue to the owner or possessor of any ground or improvements within or adjoining to the city, being governed as far as practicable by the num-

Power to construct.

Proceedings.

ber of superficial feet drained, and to provide for assessing and levying, either generally on the whole assessable property of the said city, or by a loan for the special purpose of constructing, opening, enlarging or straightening any sewer, the sum necessary to pay the expense or cost, or specially on the property of persons actually benefited, the whole or any part of the damages and expenses which they shall ascertain will be incurred in constructing, opening, enlarging or straightening any sewer in any street, lane or alley, or through any private property in said city; to provide for granting appeals to the court having jurisdiction thereof in Baltimore city, from the decision of any commissioners or other persons appointed in virtue of any ordinance to ascertain the damage which will be incurred or the benefits which will accrue to the owners or possessors of any ground or improvements for constructing, opening, enlarging or straightening in any street, lane or alley, or through any private property, any sewer which in their opinion the public welfare or convenience may require, and for securing to every such owner or possessor the right on application within a reasonable time to have decided by a jury trial whether any damage and what amount of damage has been caused, or whether any benefit and what amount of benefit has accrued to them; and to provide for collecting and paying over the amount of compensation adjudged to each person to receive the same, or investing in stock of said corporation, bearing interest of five per centum per annum, for the use of any person who, because of infancy, absence from the city, or other cause, may be prevented from receiving it, before any sewer shall be constructed, opened, enlarged or straightened in any street, lane or

Damages.

alley, or through any private property, and to enact and pass all ordinances from time to time which shall be deemed necessary and proper to exercise the power and effect the objects herein specified.

P. L. L., 1888, *Art.* 4, *Sec.* 795.

Benefits.

10. The amount of benefits assessed on any property for constructing, opening, enlarging or straightening any sewer in any street, lane or alley, or through any private property, constructed, opened, enlarged or straightened by virtue of any ordinance passed by the Mayor and City Council of Baltimore, shall be a lien on the property and recoverable as city taxes are.

P. L. L., 1888, *Art.* 4, *Sec.* 796.

Notice before ordinance.

11. Before the Mayor and City Council of Baltimore shall pass any ordinance under Sections 792 and 794 notice shall be given of an application for the passage of such an ordinance in at least two of the daily newspapers of said city twice a week for sixty days.

P. L. L., 1888, *Art.* 4, *Sec.* 797.

Notice after ordinance.

12. Before any commissioners appointed by any ordinance of said corporation under the preceding sections hereof shall proceed to the performance of their duty, they shall give daily notice, in at least two newspapers in the city of Baltimore, of the object of the ordinance under which they propose to act, at least thirty days before the time of the first meeting to execute the same.

P. L. L., 1888, *Art.* 4, *Sec.* 798.

Payment of city's share of cost.

13. Should the Commissioners appointed by the Mayor and City Council of Baltimore assess any part of the expense and damage incurred in the construction, opening, enlarging or straightening any sewer in the

city, upon the Mayor and City Council, the said Mayor and City Council may levy a tax on the assesable property of the city for the amount of such assessment, or they may raise the necessary amount by a loan, for the payment of which they may create a sinking fund to meet the liabilities incurred; and may also levy on the assessable property of the city of Baltimore from time to time such sums as may be necessary to provide therefor, and for the principal and interest of the liabilities incurred, and may pass all ordinances necessary to carry out the provisions of the same.

STREETS, BRIDGES AND HIGHWAYS.

14. All streets, avenues or alleys lying in any portion of Baltimore county, which, under the provisions of said Act of 1888, Chapter 98, became a part of Baltimore city, and which shall have been legally condemned as streets under the provisions of the Acts of Assembly of Maryland relating to streets in Baltimore county, shall be held to be validly constituted streets of Baltimore city in all respects as if the same had been legally condemned as such by the Mayor and City Council of Baltimore; and all proceedings for the laying off, opening, grading and construction of streets, avenues or alleys, which shall have been begun under Article 3, of the Public Local Laws, title "Baltimore County," sub-title "Streets," shall be proceeded with and completed under said article and sub-title.

P. L. L., 1888, *Art.* 4, *Sec.* 4.

Streets in Annex.

15. The Mayor and City Council of Baltimore shall have full power to provide for laying out, opening, extending, widening, straightening or closing up, in whole or in part, any street, square, lane or alley within the

P. L. L., 1888, *Art.* 4, *Sec.* 306.

Powers of M. and C. C.

bounds of said city, which in their opinion the public welfare or convenience may require; to provide for ascertaining whether any and what amount in value of damage will be caused thereby, and what amount of benefit will thereby accrue to the owner or possessor of any ground or improvements within or adjacent to said city, for which such owner or possessor ought to be compensated, or ought to pay a compensation, and to provide for assessing and levying, either generally on the whole assessable property of said city, or specially on the property of persons benefited, the whole or any part of the amount of damages and expenses which they shall ascertain will be incurred in locating, opening, extending, widening, straightening or closing up the whole or any part of any street, square, lane or alley in said city; to provide for granting appeals to the Baltimore City Court, from the decisions of any commissioners, or other persons appointed in virtue of any ordinance to ascertain the damage which will be caused or the benefit which will accrue to the owners or possessors of ground or improvements by locating, opening, extending, widening, straightening or closing up, in whole or in part, any street, square, lane or alley within said city, and for securing to every such owner and possessor the right, on application, within a reasonable time, to have decided by a jury trial whether any damage has been caused, or any benefit has accrued to them, and to what amount; to provide for collecting and paying over the amount of compensation adjudged to each person entitled, or investing it in stock of the said corporation, bearing an interest of five per centum per annum, for the use of any such person who, because of their infancy, absence from the city or any other cause may be prevented from receiving it, before any

street, square, lane or alley in whole or in any part shall be so opened, extended, widened, straightened or closed up, and to enact and pass all ordinances, from time to time, which shall be deemed necessary and proper to exercise the powers and effect the objects above specified.

Mayor, &c., *vs.* Moore, 6 H. & J. 375. Mayor, &c., *vs.* Hughes, 1 G. & J. 480. Alexander *vs.* Mayor, &c., 5 Gill, 383. Methodist Protestant Church *vs.* Mayor, &c., 6 Gill. 391. White *vs.* Flannigan, 1 Md., 542. Moale *vs.* Mayor, &c., 5 Md., 321. Steuart *vs.* Mayor, &c., 7 Md., 500. State *vs.* Graves, 19 Md., 351. Mayor, &c., *vs.* Bouldin, 23 Md., 328. Mayor, &c., *vs.* Clunet, 23 Md., 449. Hawley *vs.* Mayor, &c., 33 Md., 280. Page *vs.* Mayor, &c., 34 Md., 558. Norris *vs.* Mayor, &c., 44 Md., 598. McCormick *vs.* Mayor, &c., 45 Md., 527. Northern Central R. R. Co. *vs.* Mayor, &c., 46 Md., 425. Brooks *vs.* Mayor, &c., 48 Md , 265. Mayor, &c., *vs.* St. Agnes' Hospital of Baltimore, 48 Md., 419. Black *vs.* Mayor, &c., 50 Md., 235. Mayor, &c., *vs.* Reitz, 50 Md., 574. Tinges *vs.* Mayor, &c., 51 Md., 600. Hiss *vs.* Baltimore & Hampden Passenger Railway Company, 52 Md., 242. McMurray *vs.* Mayor, &c., 54 Md., 103. Hall *vs.* Mayor, &c., 56 Md., 194. Mayor, &c., *vs.* Black, 56 Md., 333. Hodges *vs.* Baltimore Union Passenger Railway Company, 58 Md., 603. Mayor, &c., *vs.* White, 62 Md., 362. Mayor, &c., *vs.* Hook, 62 Md., 371. B. & O. R. R. *vs.* Boyd, 63 Md., 325. Glenn *vs.* Mayor, 67 Md., 390. Central Savings Bank *vs.* Mayor, &c., 71 Md., 515.

16. Before they shall pass any ordinance under the preceding section at least sixty days' notice shall be given of any application for the passage of such ordinance in at least two of the daily newspapers in the said city.

P. L. L., 1888, *Art.* 4, *Sec.* 807.

Notice before ordinance.

Mayor, &c., *vs.* Grand Lodge of I. O. O. F., 44 Md., 436. Dashiell *vs.* Mayor, &c., 45 Md., 616. Mayor, &c., *vs.* Little Sisters of the Poor, 56 Md., 400. Central Savings Bank *vs.* Mayor, &c., 71 Md., 515.

17. Before any commissioners appointed by any ordinance of said corporation under the two preceding sections shall proceed to the performance of their duty

P. L. L., 1888, *Art.* 4, *Sec.* 808.

Notice after ordinance.

they shall give notice in at least two of the daily newspapers in the city of Baltimore of the object of the ordinance under which they propose to act, at least thirty days before the time of their first meeting to execute the same.

P. L. L., 1888, *Art.* 4, *Sec.* 809.

Grades.

18. The Mayor and City Council of Baltimore are authorized and empowered to provide, by general or special ordinance, for the establishment and change from time to time of the grade lines of any street, lane or alley, or part thereof, now or hereafter marked, located or laid out upon the plan of said city.

Dashiell *vs.* Mayor, &c., 45 Md., 616. Burns *vs.* Mayor, &c., 48 Md., 198. Mayor, &c., *vs.* Hanson, 61 Md., 462. Kelly *vs.* Mayor, &c., 65 Md., 175.

1892, *Ch.* 219.

Powers of M. & C. C., as to grading, regrading, shelling, reshelling, paving, repaving, kerbing and rekerbing streets, lanes and alleys.

19. They shall have and are vested with full power and authority to provide by ordinance for grading, shelling, graveling, paving and kerbing, or for regrading, reshelling, regraveling, repaving, and rekerbing, of any street, lane or alley in said city, or part thereof now condemned, ceded, opened, as a public highway, or which may hereafter be condemned, ceded, opened, widened, straightened or altered according to the laws and ordinances regulating the same; and also for assessing the cost of any such work in whole or in part upon the property binding upon such street, lane or alley, or part thereof, according to such rule or basis as the Mayor and City Council may determine, and for collecting said assessments in such manner as they may prescribe, either before or after the works shall have been done; provided, that before the passage by either Branch of the Council of any ordinance requiring the whole or any portion of the cost to be assessed upon the

property, ten days' notice shall be given in at least two of the daily newspapers in said city, and an opportunity shall be afforded to all persons interested therein to appear and be heard before some appropriate committee of the Council, and they may also provide for appeals to the Baltimore City Court from the decisions of any commissioner or other person or persons appointed to determine the amount of assessment to be made upon any property under any such ordinance; and in the trial of such appeal, the practice shall conform as near as may be to the practice in the trials of street appeals, including the right of appeal to the Court of Appeals.

P. L. L., 1888, *Art. 4, Sec.* 811.

20. They shall also have and are vested with power and authority to provide by general ordinance for the grading, graveling, shelling, paving or kerbing, or for the regrading, regraveling, reshelling, repaving or rekerbing of any street, lane or alley, or part thereof, in said city, without the passage of a special ordinance in the particular case, whenever the owners of a majority of the front feet of property binding on such street, lane or alley, or part thereof, shall apply for the same, upon terms and under conditions to be prescribed in said general ordinance, and for the assessment in any such case of the cost of such work, in whole or in part, *pro rata*, upon all the property binding upon such street, lane or alley, or part thereof, and for the collection of such assessment as other city taxes are collected.

Grading and paving upon application of owners.

Henderson *vs.* Mayor, &c., 8 Md. Holland *vs.* Mayor, &c., 11 Md., 186. Bouldin *vs.* Mayor, &c.,15 Md., 18. Mayor, &c.,*vs.* Eschbach, 18 Md., 276. Howard *vs.* First Independent Church of Balto., 18 Md., 451.

1892, *Ch.* 284.

Levy and collection of tax for streets, etc., heretofore graded, paved, repaved, kerbed or rekerbed.

21. In any and all cases where any street, lane or alley, or any part thereof, in the city of Baltimore, has been graded, paved or kerbed, or regraded, repaved or rekerbed, under any ordinance which provided for assessing the whole or any portion of the cost of such improvement upon the property binding on such street, lane or alley, or part thereof, and such assessments, or any part thereof remain unpaid, it shall be lawful for the Mayor and City Council of Baltimore to provide by ordinance for the levy and collection in such manner as they may deem proper, of a tax upon all the property binding on any street, lane or alley, or part thereof which may have been so improved, to the extent that such property shall have been specially benefited by such improvement; provided that no property upon which the assessment originally made for its share of the cost of such improvement shall have been paid shall be again assessed, and that reasonable notice and an opportunity to be heard shall be given to all persons interested before the final ascertainment of the amount of tax to be paid by any such property; and the said Mayor and City Council shall provide for appeals to the Baltimore City Court by any person or persons interested, including the Mayor and City Council themselves, from the decision of any commissioner or commissioners or other persons appointed to determine the amount or amounts of such special takes or assessments; and in the trial of such appeals the practice shall conform as near as may be to the practice in the trial of street appeals, including the right of appeal to the Court of Appeals.

22. All the streets, lanes or alleys opened in the manner directed in the preceding section shall be public highways and be subject to the laws, regulations and ordinances applicable to public streets, lanes or alleys, or parts thereof, in said city. *Ibid., Sec. 814.* To be public highways.

23. A tenant for ninety-nine years, or ninety-nine years renewable forever, or the executor or administrator of such tenant, or the guardian of an infant owner, or a mortgagee in possession, shall be deemed and taken as an owner for the purposes of any application to the Mayor and City Council authorized by this sub-title of this article; and the application of any such person shall bind the property so represented for any assessment or tax made under an ordinance passed in pursuance of the provisions of this sub-title of this article. *P. L. L., Art. 4, Sec. 812.* Who deemed to be owner.

24. Where real estate within the said city has been or may be divided according to law among heirs, legatees, joint tenants or tenants in common, entitled to the same, and such division calls for any of the streets, lanes or alleys, or any part thereof, surveyed and laid off under the Act of 1817, Chapter 148, or reserves any of the said streets, lanes or alleys, or any part thereof as open, and divides such estate with reference thereto, the Mayor and City Council may, on application of one or more persons interested in the ground to be taken on such application, adopt and sanction by ordinance the principle under which such division was had, and open any of the said streets, lanes or alleys, or any parts thereof, in the said division reserved or recognized; provided at least one week's *P. L. L., Art. 4, Sec. 813.* What notice to be given.

notice in the newspapers of said city, (the costs of the advertisement to be paid by the applicants), be given of such application before any such ordinance shall pass.

P. L. L., Art. 4, Sec. 814.

Such streets public highways.

25. All the streets, lanes or alleys opened in the manner directed in the preceding section shall be public highways, and be subject to the laws, regulations and ordinances applicable to public streets, lanes or alleys, or parts thereof in said city.

Ibid., Sec. 815.

Cleaning of private wh'rv's and streets.

26. They may, on the application of the owners of a majority of feet in front of any private wharf, dock, street, lane or alley, cause the same to be paved, cleaned out, mended or otherwise repaved or kept in good condition or repair, and may impose upon and collect from all the proprietors of the property so to be cleaned out or repaired a tax sufficient in amount to defray the expenses thereof, which shall be assessed upon the proprietors in proportion to the number of feet held by them, respectively, in front or length, and shall be collected by the Mayor and City Council as taxes levied for paving public streets.

Ibid., Sec. 816.

Grading and paving footways.

27. They may pass all ordinances necessary for grading, regulating, paving and repairing the footways in the streets, lanes and alleys of the city, and impose a tax on any lot fronting on any paved street, lane or alley, for the purpose of grading, regulating, paving or repairing footways in front thereof, or compel by fine or otherwise the owner or proprietor of any lot to pave or repair the footways in front thereof, agreeably to the ordinances to be passed by them.

P. L. L., 1888, *Art.* 4, *Sec.* 817.

Alteration of grade upon certificate of Board of Health.

28. Whenever the Board of Health shall certify in writing to the Mayor that it is necessary for the health of the city to alter the grade of any street, lane or alley on low or made ground, the Mayor shall issue his order to the City Commissioner, who shall thereupon call upon the several property holders on such street, lane or alley, and procure from them their assent in writing to such alteration; and if any property holder shall refuse to permit the same to be graded, and shall require damages therefor, and cannot agree with the commissioners as to the amount of damages, or should there be any legal disability on the part of those owning property on such street, lane or alley, the Judge of the Baltimore City Court, on application of the corporation, shall appoint three disinterested persons to assess such damages, who shall return on oath their award to said court, and the same shall be confirmed by the court unless cause to the contrary be shown; in which case the court shall at the first term thereafter decide finally thereon; and when the damages so assessed or agreed upon shall be paid by the Mayor and City Council to the persons so assessed, and legally entitled to receive the same, the Mayor and City Council may proceed to regrade and pave the said street, lane or alley.

P. L. L., 1888, *Art.* 4, *Sec.* 818.

Turnpikes within city limits.

29. The president, directors and companies of the different turnpike companies owning roads running into the city of Baltimore may cede to said city such parts of said roads as lie within the corporate limits of said city; and the same, when ceded, shall be in all respects subject to the same regulations as unpaved public streets.

Hooper *vs.* Pres., etc., of Balto. & Yorktown Turnpike Road, 34 Md., 521. Balto. & Havre de Grace Turnpike Co. *vs.* Union Railway Co. of Balto., 35 Md., 224.

1890, *Ch.* 468. 30. The Mayor and City Council of Baltimore be and are hereby authorized to negotiate with and purchase from several turnpike companies such portions of their several turnpike roads as lie within the present limits of the city of Baltimore, upon such terms and for such amount as may be agreed upon, and to arrange with said several turnpike companies for the removal of their several turnpike gates beyond the limits of the city, and to appropriate such sums of money as may be necessary to carry out these objects.

Power to purchase turnpikes.

1890, *Ch.* 370. 31. The Mayor and City Council of Baltimore shall have power to regulate the use of the streets, lanes and alleys in said city by railway or other tracks, gas or other pipes, telegraph, telephone, electric light or other wires and poles, in, under, over or upon the same, and may require all such wires to be placed under ground after such reasonable notice as they may prescribe.

Railr'd tracks, gas pipes, poles and wires.

1892, *Ch.* 200. 32. The Mayor and City Council of Baltimore are authorized to provide a series of conduits under the streets, lanes and alleys of said city, or any parts thereof, for the use of telephone, telegraph, electric light and other wires, either by constructing said conduits themselves or by authorizing their construction by such person or corporation upon such terms as may be agreed upon to provide for the appointment of an electrical commission with such powers and duties as the said Mayor and City Council may deem necessary or appropriate for carrying out the purposes of this act; and to require all such wires or any part or parts thereof, and the poles carrying the same, to be removed from the surface of the streets, lanes and alleys of said city or any part or parts thereof, and to require such wires to

Conduits for telephone, telegraph and electric light wires.

be placed in such conduits, all under such penalty as they may prescribe; and to prescribe and establish reasonable rentals to be paid by any company or person using any of said conduits, by whomsoever the same may be constructed, for the use thereof, and to provide for the collection of such rentals in addition to the ordinary processes by such summary methods as they may deem appropriate; provided, however, that nothing contained in this act shall be deemed or taken to modify or change in any manner the provisions of ordinance number (41) forty-one, of the Mayor and City Council of Baltimore, approved May 9, 1889, or the rights and privileges granted thereby to the companies therein named, or either of them.

P. L. L., 1888, *Art.* 4, *Sec.* 820.

The bed of North avenue to be treated as public street.

33. The bed of North avenue, throughout its entire length, shall in all respects be hereafter held as the bed of any other street or avenue in Baltimore city, so far as the same be laid down on Poppleton's map of Baltimore city, and subject to all the conditions or requirements of any other street or avenue in said city; and any and all of the ground fronting thereon, whether in Baltimore city or county, shall, in the event of said avenue, or any part thereof, being graded, kerbed, paved, shelled, graveled, or in any like manner improved, be subject to the same assessment for the cost of said grading, kerbing, paving, graveling, shelling, or like improvement, as would be the case with ground fronting on any other street or avenue in the city, similarly to be improved as aforesaid; and such ground and the owners and representatives thereof shall in such event be held liable for said assessments, and the said avenue be subject to all the Acts of Assembly and ordinances of

the Mayor and City Council of Baltimore which are now or may be hereafter in force and applicable for the grading, kerbing, paving, graveling, shelling, or any like improvements of streets or avenues in Baltimore city.

Mayor, &c., *vs.* Porter, 18 Md., 284. Mayor, &c., *vs.* Horn, 26 Md., 194. Lester *vs.* Mayor, &c., 29 Md., 419.

P. L. L., Art. 4, Sec. 821.

Power to purchase bridges and turnpikes and to make the same free highways.

34. The Mayor and City Council of Baltimore are authorized with the County Commissioners of any adjoining or neighboring counties thereof to purchase all bridges and turnpike roads, and upon such terms as said Mayor and City Council and said County Commissioners on the one part, and the owners of such bridges and highways on the other, may mutually agree; and when so purchased, all or any of them shall thereafter be free public highways, and as such, under the care and management of said Mayor and City Council and said County Commissioners as the may, respectively, provide and stipulate as between them.

P. L. L., 1888, Art. 4, Sec. 824.

Bridges within Annex.

35. The bridges which the County Commissioners of Baltimore county have heretofore agreed to build within the limits of the territory which has become annexed to Baltimore city under the Act of 1888, Chapter 98, shall be completed by the city of Baltimore; and all bridges within the limits of said territory shall be maintained and kept in repair for public travel at the expense of Baltimore city; all bridges crossing the Patapsco River from said city, including the bridge known as the "Long" or Light-street bridge, shall be maintained and kept in repair for public travel at the sole expense of the said city of Baltimore.

36. All streets, avenues or alleys lying in that portion of Baltimore city, formerly constituting a portion of Baltimore county, and in pursuance of the Act of the General Assembly of Maryland, of eighteen hundred and eighty-eight, chapter ninety-eight, recently annexed to the said city of Baltimore, which had prior to such annexation become streets, avenues or alleys in Baltimore county, whether by deed or dedication, shall be held for all purposes to validly constitute streets, avenues or alleys of Baltimore city, in all respects as if the same had been legally condemned as such by the Mayor and City Council of Baltimore.

P. L. L., 1888, *Art.* 4, *Sec.* 824a.

Streets within annex.

37. No avenues, streets or alleys in the Twenty-first or Twenty-second Ward of Baltimore city, or in either of them, shall hereafter be opened, established or condemned, nor shall the dedication of any avenue, street or alley hereafter made in said Twenty-first and Twenty-second Wards of Baltimore city, or in either of them, be accepted by the Mayor and City Council of Baltimore, unless the lines and grades of said avenues, streets or alleys be opened, established, condemned or dedicated to conform to the plans, plats and surveys defined by the Topographical Survey of the city of Baltimore, now being prepared under the supervision of Henry T. Douglas, chief engineer, unless otherwise provided in an Act of Assembly; provided, that the plan of said Topographical Survey shall be approved by an ordinance or formal resolution of the Mayor and City Council of Baltimore.

1894, *Ch.* 576.

Grades of streets in Annex to conform to Topographical Survey.

ORDINANCES.

ANNUAL REPORTS.

City Code, 1893, *Art.* 1, *Sec.* 37.

When officers to make reports and returns.

1. The Register of the City, and all other officers of the corporation, shall make to the Mayor and City Council their annual reports and returns of all matters, as required by law, connected with their respective offices, as soon after the said thirty-first day of December as practicable.

Ibid., *Sec.* 38.

Departments, etc., to report indebtedness.

2. The heads of the several departments of the city government, as well as the officers or commissions that are charged with the making of contracts, or the expenditure of the public money, shall, in making up their annual reports to the Mayor and City Council, or in submitting reports to the Comptroller, as the case may be, state the amount of their indebtedness respectively, and for what purposes or object such indebtedness was incurred.

City Code, 1893, *Art.* 1, *Sec.* 40.

Not to exceed appropriation.

Penalty.

3. If any officer or officers of the corporation, shall, without authority, expend or contract for the expending any public money, or shall in any case exceed the appropriation, he or they shall be held liable in his or their individual capacity for the amount so improperly expended or contracted to be expended.

Ibid., Sec. 41.

Register to notify city officers as to expenditures.

4. It shall be the duty of the Register to notify all officers of the corporation that under and by virtue of the preceding section, they and each of them are liable in their individual capacities for any violation of the provisions of said section, and enjoin on them the necessity of regulating their expenditures to the amount appropriated by the Mayor and City Council. And it shall be the duty of the Comptroller to withhold his warrant from any officer or officers of the corporation for the payment of any moneys after the amount appropriated for the specific object shall have been expended.

When Comptroller to withhold his warrant.

EMPLOYEES.

Ibid., Sec. 42.

Registered voters only to be employed.

5. It shall not be lawful for any of the heads of the departments under the city government to employ or allow to be employed, in any capacity, within the city limits, any person who is not a registered voter of the city of Baltimore.

Ibid., Sec. 49.

Salaries to be paid monthly; not attachable.

6. The salaries of all officers of the corporation, unless otherwise directed by law, shall be paid on the first Monday of each and every month. Such salaries are not liable to attachment.

City Code, 1893, *Art.* 1, *Sec.* 55*a*.

No person to hold more than one city office.

7. No person shall at any time hold more than one office of honor, profit or trust, under the Mayor and City Council of Baltimore.

City Code, 1893, *Art.*49, *Sec.* 188*a*.

Employee to own and drive his cart.

8. No person with horse and cart shall be employed under the city government, in the City Commissioner's Department, or Street Cleaning Commissioner's Department, unless said person so employed shall own and drive his said cart.

9. The City Commissioner is hereby authorized and directed to employ such skilled labor as may be necessary to carry on the various works under his direction in a proper and expeditious manner.

Ord. 16, Feb. 27, 1893.

City Commissioner to employ skilled labor.

10. Preference shall be given to the employment of all such skilled laborers who are registered voters of the city of Baltimore, and the City Commissioner is hereby authorized and directed to employ as many other skilled laborers who may not be registered voters of the city of Baltimore as may be necessary in his judgment to enable him to carry on the various works under his direction in a proper and expeditious manner.

Ibid.

Preference to registered voters.

Other than voters may be employed.

11. The City Commissioner is hereby authorized and directed to obtain such skilled labor by individual solicitation, by advertisement, or by any other method that may be deemed best by him for the interests of the city of Baltimore.

Ibid.

Skilled labor how obtained.

CONTRACTS.

12. It shall not be lawful for any officer of this corporation, whether appointed by the Mayor and City Council in convention, by the Mayor alone, or by any board of commissioners, trustees, visitors or building committee, acting under the authority of the Mayor and City Council, to be engaged or concerned, directly or indirectly, in any contract for work done or to be done on account of the city, or in which the city is or may be in any way concerned; in the purchase of any debt due from the corporation or claim upon the same for any work done or to be done, by or under any ordinance

City Code, 1893, Art. 1, Sec. 48.

Officials not to be interested in city contracts.

of the city, or to be engaged in any contract, directly or indirectly, or concerned in any manner in doing work of any kind, or furnishing of supplies for any institution or office, or receive any percentage on any purchases or contracts in the office with which he may be connected; and any officer offending herein shall be fined in a sum not exceeding five hundred dollars, and it shall be obligatory on the Mayor, upon being apprised of any violation of this section, to dismiss forthwith from office any officer, except as hereinafter provided, who may be guilty of such violation. This section shall not apply to non-salaried officials of the city government, except in so far as the same may relate to the actual transactions of the particular department to which said non-salaried official is attached.

City Code, 1893, *Art* 1., *Sec.* 53.

No extra pay to city contractors.

13. No extra compensation shall be granted or allowed by the Mayor and City Council to any contractor or contractors with the city, or with any corporation the expenses of which are in the whole or in part borne by the city, after the contract has been entered into; provided, that in case a contractor or contractors shall be prevented by an act of the Mayor and City Council, or any agent or servant thereof acting under their authority from fulfilling his contract as agreed on, and loss is thereby sustained by him or them, such extra compensation may be allowed as will compensate him or them for said loss incurred as aforesaid.

Ibid., *Sec.* 55.

Advertisem'nts to be published in one Germ'n newspaper.

14. All advertisements emanating from the different departments of the city government shall be published in at least one German paper of the city, and in the selection of such paper they shall give preference to the

paper having the largest circulation, provided the prices be the same as those charged by the other papers.

Ord. 3, Dec. 14, 1892.

Contracts for work, supplies or materials to be advertised for.

15. Hereafter in contracting for any public work or the purchase of any supplies or materials for the city of Baltimore, by the City Commissioner's Department, the Street Cleaning Department, the Harbor Board, Water Board, Jail Board, Trustees of the Poor, or by any of the city departments, proposals for the same shall be first advertised for, in two or more daily newspapers published in said city, for not less than ten nor more than twenty days, and the contract for doing said work or furnishing said supplies or materials, shall be awarded by the Mayor, Comptroller and Register, or by such department as is now required to award such contracts, to the lowest responsible bidder.

City Code, 1893, Art. 1., Sec. 56

How awarded.

16. Whenever the city officers, or any of them, shall advertise for sealed proposals for any public work or contract, of any kind whatsoever, pursuant to existing ordinances or resolutions, or to such as may hereafter be passed, it shall be the duty (unless it is otherwise provided by special ordinance) of such officers so advertising to lay the sealed proposals received by him or them, according to the advertisement, before the Mayor, who, with the Comptroller and Register, shall proceed to open them, and award in all cases to the lowest bidder of known capacity, responsibility and integrity, whose security for the execution of the work according to the contract, as the case may be, in the judgment of the Mayor, Comptroller and Register, or a majority of them, shall be sufficiently responsible to insure the performance of the work or contracts, according to the

stipulations thereof, respectively; provided, however, that no bid shall be opened from any person who has heretofore failed in the performance or due execution of any contract he may have been engaged in with the corporation of Baltimore.

Ibid., Sec. 57.

Opening of bids

17. All such proposals shall be opened at such time and place as may be publicly designated by advertisement, in the presence of such persons as may choose to attend.

Ibid., Sec. 58.

Bonds from contractors.

18. For all contracts made under the provisions of the two preceding sections, the Register is hereby required to take bonds of the contractors, certified by the Comptroller, to be with good and sufficient security, and to be approved by the Mayor, for such sum as, in his judgment, may be adequate to secure their fulfillment.

City Code 1893, *Art.* 1, *Sec.* 59.

Conditions in bonds.

19. Hereafter, in all cases where any bond shall be taken from any contractor for the execution of any work to be done under or by virtue of any ordinance or resolution of the Mayor and City Council, or by any authority thereof, there shall be inserted in said bond, and as one of the conditions thereof, an express stipulation on the part of such contractor that he will defend, indemnify and save harmless the Mayor and City Council of Baltimore against any suit or suits, loss, damage or expense to which the said Mayor and City Council of Baltimore may be subjected by reason of any default or negligence, want of skill or care on the part of such contractor, his agent or employees, or of any sub-contractor, in or about the performance and execution of said work.

Ord. No. 52, app. Apr., 1894.

Contracts for supplies for departments under $200 not to be advertised for.

20. That hereafter in contracting for any public work or the purchase of any supplies or materials for the city of Baltimore by the City Commissioner's Department, the Street Cleaning Department, the Harbor Board, Water Board, Jail Board, Trustees of the Poor, or by any of the city departments, any repairs or supplies not in excess of two hundred dollars to be exempt from the provisions of Section 1, Ordinance No. 3, approved December 14, 1892.

Ibid., Sec. 60.

Comptroller to report annually as to contracts.

21. The Comptroller shall examine all contracts made by the city officers, and he shall report within thirty days after the meeting of the Council in an annual session all contracts made by the corporation as directed or authorized by the Council, and not performed or completed, or upon which any money remains unpaid, with the amount of money remaining unpaid on each.

Ibid., Sec. 61.

Mechanics to be paid weekly

Remedy.

22. The Mayor and the various departments entering into contracts with individuals to perform any public work for the city of Baltimore shall insert a clause in each of said contracts compelling each contractor to pay all mechanics or laboring hands employed by the day once each week; and for the failure to comply by said contractors the said day hands may file their bill, under oath, with the proper department for the number of days so employed, not to exceed one week; and it shall be the duty of said department to pay said day hands and charge the same to the contractor or contractors, and deduct the same from any money that may be due to the said contractor or contractors. The heads of departments and commissioners of the city government are hereby directed that in the letting of contracts

City mechanics and manufacturers.

and in the execution of all kinds of mechanical work required for their several departments, preference in all cases shall be given to the mechanics and manufacturers of Baltimore city.

Ord. 117, *June* 25, 1894.

23. The City Commissioner is hereby authorized and directed to require all proposals for laying improved pavements under any ordinance or ordinances of the Mayor and City Council of Baltimore hitherto adopted, to include the guarantee of the contractor to maintain the said pavement in good order for five years from the date of the acceptance of said work by the City Commissioner, and that all the old material on streets, or portions of streets, provided to be repaved by said ordinances shall be removed by the contractor, at the expense of the city, to such place or places as the City Commissioner shall from time to time designate, and the said old materials shall remain the property of the city. When the whole work of repaving any street or streets provided to be repaved under any ordinance or ordinances of the Mayor and City Council of Baltimore hitherto adopted shall have been finished and accepted by the City Commissioner, all sums then remaining unpaid shall be paid to the contractor, except ten per centum of the gross amount of the contracts respectively, which ten per centum shall be paid to the contractors at the axpiration of five years from the date of said acceptance, with interest at the rate of four per cent. per annum, provided the said contractors shall have kept the work done by them in proper condition and repair during said five years. Any part or parts of any ordinance or ordinances hitherto passed, which are in conflict with this ordinance, are hereby repealed.

To maintain the pavement in good order for five years.

Old material to remain the property of the city.

Ten per centum to be retained for five years at 4 per cent. per annum.

TOPOGRAPHICAL SURVEY.

24. Thorough, accurate and comprehensive geodetic and topographical surveys shall be made of the city of Baltimore, beginning with the recently annexed territory, and from such surveys official maps shall be prepared, on a scale sufficiently large to show clearly the following details: All streets and alleys as now laid out, with their width between the building lines; the elevation of streets above mean tide at street corners, or at other points, as may be necessary; the dimensions of blocks in feet and inches; all streets not yet opened to be located by dotted lines and their grades established, with a view of conforming to an uniform system of surface drainage or underground sewerage, and the survey made of the unimproved and undeveloped portions of the city shall be such that there may be defined on said map all streams, water courses, highways, boundary lines of farms or estates, with the names of the owners thereof; the undulations of the ground to be shown by contour lines representing the different elevations in a manner to enable the establishment of grades, locations of sewers, &c.; and should the commissioners, provided for in Section 70, of Article 1, of the City Code of 1893, deem it advisable to extend said topographical survey beyond the present city limits, they are hereby authorized and empowered to do so; provided, however, that said extended survey shall not embrace any territory located more than one mile beyond the present city limits.

Ord. 98, April 21, 1893.

Geodetic and topographical surveys to be made — official maps and plats to be prepared.

25. Plats shall be also made from said surveys and bound in atlas form for the use of the Tax Department, City Commissioner's Department, City Surveyor, and

Ibid.

Plats to be made & bound in atlas form.

Commissioners for Opening Streets, and such other departments of the city government as may be necessary; said plats to be made upon a scale sufficiently large to show in addition to the matters contained in the general official map, the following details, viz.: The dimensions of each lot or tract of land embraced in the city, with the character of the improvements thereon; the location of all sewers, with their dimensions; the system of water supply, with the location of fire plugs; all corporation buildings, such as school houses, station houses, etc.; all railway lines, and such other details as may be considered requisite.

REFUSE MATERIALS.

City Code, 1893, *Art.* 11, *Sec.* 12

Refuse material.

26. It shall be the duty of the Comptroller to take charge of and keep an account of all refuse material that may accumulate in the City Commissioner's and other departments of the city, the articles laid aside as useless at the said departments, to be taken charge of and accounted for by those having supervision of the same. And it shall also be the duty of the Comptroller to dispose of at private or public sale, to the best advantage, all old metal and refuse materials of every kind, and pay the proceeds over to the City Register, specifying at the same time the articles, price, and to whom sold.

City Code, 1893, *Art.* 11, *Sec.* 13

Duty of city officials as to refuse material

27. The City Commissioner and other persons having city property under their charge shall set aside, on or before the first day of each month, such old metal and other materials as mentioned in the preceding section, and hand the same over to the Comptroller, they taking and keeping an account thereof.

28. The Comptroller is hereby directed to open a separate account for the department of refuse material. *Ibid., Sec. 14.* Separate account for.

ACCOUNTS.

29. The Mayor, Comptroller and Register are hereby requested to adopt a system of keeping the accounts in the different departments of the city government as will fully protect all the interests of the city, and to devise a system of checks by which each department shall be held responsible for all the receipts and expenditures. No money shall be paid out for any purpose in any of the departments, except through a warrant of the Comptroller upon the City Register, and all moneys received for any object or purpose whatever shall be turned in to the City Comptroller, excepting that received by the tax department, and by him delivered in turn to the City Register.* *City Code, 1893, Art. 11, Sec. 32* System of accounts.

*For the due execution of sections 32 and 33, the following rules were adopted by the Mayor, Comptroller and Register on February 19, 1877:

1st. That the several departments of the city government, whenever the sum of money received by them respectively shall amount to five hundred dollars, shall report the same to the City Comptroller, specifying the source or sources from which it was received, and obtain from him a receiving warrant to pay such money to the City Register; provided, that no department shall be required to make more than one payment on any one day; and provided further, that all of the departments that may receive money as revenue shall, on the first Wednesday of each month, pay over to the City Register, on the receiving warrant of the Comptroller, such sum as may respectively be in their possession.

2d. That each department shall take duplicate bills of every item of expense it may contract for or incur, one of which shall be retained and filed in the department, and the other bill or voucher, with a warrant from such department on the Comptroller for the payment of the same, shall be sent to the City Comptroller; provided, that the pay rolls of each department may be drawn in favor of its proper accredited officer; such pay roll, however, to be filed in the office of the Comptroller as are other bills or vouch-

City Code, 1893, *Art.* 11, *Sec.* 33.

Office hours of disbursing officers.

30. The officers of the city government who are charged with the duty of issuing warrants and checks in favor of the creditors of the city are imperatively required to be present in their respective offices on Tuesday and Friday of each week, from 9 o'clock A.M. to 2 o'clock P.M., in order to discharge, without delay, to the holders of claims against the city, the duties required of them under the preceding section.

Ibid., *Sec.* 34.

Written orders for work and supplies.

31. It shall not be lawful for any officer, agent or employee of the city of Baltimore, or for any commissioner or board of commissioners elected or appointed by the Mayor and City Council to order any work to be done or supplies to be furnished for the use of the city of Baltimore, or any department or officer of the

ers; and provided further, that in case of contracts in which money may be payable on account, the department having a contract in charge shall take duplicate receipts, one of which shall be retained, and the other, with a warrant on the Comptroller, shall be sent to that officer.

3d. The offices of the Comptroller and the Register shall be open on Tuesday and Friday of each week, from 9 o'clock A.M. to 2 o'clock P.M., for the issuing of warrants and the payment of the same, respectively; and that all warrants issued by the departments for the payment of money, with accompanying bills or vouchers, shall, if required by the Comptroller, be deposited in his office before 12 o'clock M. on the day preceding the day of payment, to the end that the same may be audited and warrants issued without much detention on the day of payment; provided, that so much of this rule as may require a deposit in advance of the day of payment shall not apply to bills or warrants for the sum of ten dollars or less.

4th. The teachers and officers of the public schools, city officers, officers of the courts, as well as the expenses of the courts, shall be paid as provided by existing ordinances.

5th. Much embarrassment has been experienced in the filing and in the examination of papers on file, in consequence of many bills or vouchers being written on small slips of paper; therefore, no bill or voucher will be recognized at the office of the City Comptroller that measures less than seven inches by three and one-half inches, and which is not written in ink.

city, unless such order shall be given in writing and signed by the person giving such order.

City Code, 1893, *Art.* 11, *Sec.* 35.

Official memoranda of such work and supplies.

32. There shall be kept in the office of each and every officer, agent, employee or board of commissioners who may order work to be done or supplies to be furnished, and for which payment is to be made by the Mayor and City Council of Baltimore, an official copy or memoranda of each and every order issued for work or supplies, with the probable cost of the same, which official copy or memoranda shall at all times be open to the inspection of the Mayor, Comptroller and members of the City Council of Baltimore.

Ibid., *Sec.* 36.

Comptroller not to pay except upon written order.

33. It shall not be lawful for the Comptroller of the city of Baltimore to honor any bill or warrant for payment for work done or supplies ordered for the use of the city of Baltimore, or of any department or officer of the city of Baltimore, unless the written order for such work or supplies, signed by the person ordering the same, shall accompany the bill or warrant for payment.

JONES' FALLS.

City Code, 1893, *Art.* 30, *Sec.* 1.

Regrading, repairing and rekerbing of certain streets and alleys.

34. The City Commissioner is hereby authorized and required to have regraded, rekerbed and repaved the following herein named streets, comprising all the streets, lanes, alleys and public thoroughfares within the district flooded by the freshet of Jones' Falls, July 14, 1868, or so much of the same as may be necessary; the grades of the same shall be changed so that the lowest point on those streets shall not be below the heights specified and mentioned on the following named

streets, said heights being the number of feet above mean tide, namely: Centre street, between Calvert and Front streets, 21 feet; Franklin street, between Calvert and Holliday streets, 21 feet; Bath street, between Calvert and Front streets, 20½ feet; Pleasant and Hillen streets, between Courtland and High streets, 20 feet; Saratoga street, between Courtland and Gay streets, 18 feet; Lexington street, between Calvert and Holliday streets, 16 feet; Fayette street, between Gay and High streets, 14½ feet; Baltimore street, between Gay and High streets, 13 feet; Swan and Plownan streets, between Centre Market and High street, 12 feet; Second street and Fish Market Space, between Gay street and Jones' Falls, 11 feet; Lombard street, between Commerce and Albemarle streets, 10 feet; Pratt street, 7 feet at Commerce street, 8½ feet at Centre Market Space, and thence to Albemarle street, 9 feet; and the grades of Calvert, Davis, North, Holliday, Gay, Frederick, Harrison and Front streets, Centre Market Space, Mill and Concord streets, and East and West Falls avenues, and all other streets, alleys or public thoroughfares or highways intersecting with the before named streets within the flooded district aforesaid shall be regraded, rekerbed and repaved as much as may be necessary, to conform to the regraded streets before named.

City Code, 1893, *Art.* 30, *Sec.* 2.

Sewer on west side.

35. A sewer shall be constructed on the west side of the said falls of such dimensions as may be deemed necessary, in the discretion of the City Commissioner.

Ibid., *Sec.* 3.

Measures to prevent damming of falls.

36. Whenever there is a prospect of an extraordinary rise in the waters of Jones' Falls, so as to threaten an overflow upon the adjacent property, it shall be the

duty of the City Commissioner, upon receiving information to that effect from any of the residents or property holders in that vicinity, to take prompt and active measures, and employ a sufficient force to prevent the obstruction or damming up of the said waters, and to draw on the Register, with the approbation of the Mayor, for the amount of any expenses that may be incurred in any such service.

City Code, 1893, *Art.* 30, *Sec.* 4.

Notice to owners to have property walled up.

37. The City Commissioner is hereby authorized and directed, whenever he shall deem it necessary, to notify the owner or owners of property binding upon Jones' Falls, within the limits of the city, to have the same walled upon the line of said Jones' Falls, with a good and sufficient stone wall, to such height as said Commissioner may direct, and to have the same backed up or filled with earth so as to secure such property from inundation by water, and when the same shall have been walled up wholly or in part, to rebuild or repair in a good and sufficient manner any such stone wall.

Ibid., *Sec.* 5.

Duty of City Commissioner.

38. If any person or persons or body politic shall refuse or neglect to have any such wall built, rebuilt or repaired, as above provided for, within two months after receiving notice from said Commissioner, as set forth in the preceding section, it shall then be the duty of said Commissioner, and he is hereby authorized and directed to cause such wall to be built, rebuilt or repaired, as specified in said notice; and the cost thereof shall be a lien upon the property so walled up, repaired or rebuilt as aforesaid, to be recovered in due course of law from the owner or owners, or body politic, so refusing to build, rebuild or repair, after notice as aforesaid.

Ibid., Sec. 6.

How vessels shall enter.

39. All vessels entering the mouth of Jones' Falls shall be required to enter by the eastern side or channel thereof; and all vessels passing out the mouth of said Falls shall pass out by the western side or channel thereof; and all vessels, excepting steam vessels, passing in or out the mouth of said falls shall sound a horn to signal the keeper of the drawbridge; and no vessel shall be suffered to be anchored, moored or lie in said stream within one hundred and fifty feet from the city dock drawbridge. Any tugboat entering the mouth of said Jones' Falls shall be required to sound two blasts upon her steám whistle before reaching said mouth; and any tugboat passing out the mouth of said Falls shall in like manner give three blasts of her whistle; and no craft shall attempt to pass the middle of the centre pier of the drawbridge until the said draw shall be fully open and over the centre of the guard pier. In case of any violation of any of the requirements of this section the master or person in charge of the vessel, tugboat or other craft so offending, shall be liable to a penalty of five dollars for each and every offence; to be enforced as other fines for the violation of city ordinances are enforced.

City Code, 1893, Art. 30, Sec. 7.

Duties of bridge tender.

40. It shall be the duty of the bridge-tender in charge of the city dock drawbridge to notify any barge, flat-boat, scow or other mastless vessel which in the judgment of said bridge-tender shall be so loaded that said barge or other vessel cannot pass under the drawbridge without risk of injury to said bridge to stop until the draw of said bridge can be opened for the passage of said vessel. Any master or other person in charge of any such barge or other vessel who when so notified by

the bridge-tender shall refuse or fail to stop as aforesaid shall be liable to a fine of five dollars for each and every offence.

41. It shall be the duty of the bridge-tender to report all violations of this ordinance to the City Commissioner at the City Hall. *Ibid., Sec. 8.* To report violations.

RAILROADS.

Tracks and Switches.

42. All railroad tracks and switches now laid, and those that may be hereafter laid in any of the streets, lanes or alleys in the city of Baltimore, shall be filled up between the rails thereof within one and a half inches of the top of the iron rails, and raised with a convex form in the centre even with the top of said rails, with good even stone pavements, or by planking the same with two inch oak plank. *City Code, 1893. Art. 41, Sec. 11* How to be laid.

43. The owners and occupiers of all railroads and switches above referred to shall at all times keep them in good condition, as prescribed by this ordinance, under a penalty of ten dollars for every day (after notice shall have been given) that any part thereof shall, in the opinion of the City Commissioner, require repairing; and in case of the neglect or refusal to do the same within the time specified in said notice, then said Commissioner shall have the same done in a good and sufficient manner, at the expense of said owner or occupier. *Ibid., Sec. 12.* To be kept in good condition.

CONSTRUCTION OF RAILWAYS.

City Code, 1893, *Art.* 41, *Sec.* 19.

Construction and condition of tracks.

44. It shall be the duty of the City Commissioner from time to time to examine the construction of the several railway tracks authorized by ordinances to be laid within the limits of the city, and to report to the Mayor any obstruction or impediment to the ordinary use of any street or streets caused by the said tracks being improperly laid and not being in conformity with the provisions of the ordinances authorizing their construction; and it shall be the duty of the Mayor to enforce the ordinance relating to the removal of said tracks, unless in his judgment the remedy shall be furnished by the enactment contained in the succeeding section.

City Code, 1893, *Art.* 4, *Sec.* 20.

Removal or alteration of tracks.

45. It shall and may be lawful for the Mayor of the city to exercise his discretion in all cases where an obstruction or impediment is caused by the mode of construction of any railway within the city to the ordinary use of said street, to have the said track entirely removed, or to have the said track so altered or arranged as to abate the evil complained of by giving notice to said companies or owners of said railway tracks, who shall be allowed a reasonable time to make said alteration under the direction of the City Commissioner; and upon a failure on the part of said companies or owners to comply with the said notice, it shall be the duty of the City Commissioner to have the said work done, and the bills shall be collected from the owners of said railway tracks by legal proceedings, if the same shall be disputed or remain unpaid for the space of thirty days.

46. It shall be the duty of the City Commissioner to examine the construction of said railways and enforce strictly all the provisions of ordinances relating to the obstruction of the gutters caused by the laying of said railway tracks; and in all cases of obstruction and impediments of any kind arising from the improper construction of railway tracks, in which no other remedy is now provided by ordinance, it shall be the duty of the City Commissioner to give notice to the owners of said railway tracks that unless the said obstructions be removed or altered so as to remedy the evil complained of within a reasonable time, the City Commissioner shall proceed to have the said railway reconstructed at the cost of the owners aforesaid.

Ibid., Sec. 21.

Obstruction of gutters.

47. If at any time hereafter any railway shall be constructed within the limits of the city, in a mode or manner so as to obstruct the ordinary use of the street or streets in which the said railway shall be laid down, the owners of said railway shall be subject to a penalty of one hundred dollars, and be liable to a fine of five dollars for each and every day such obstructions shall be permitted to remain after notice of the City Commissioner to remove the same.

City Code, 1893, Art. 41, Sec. 22.

Penalty.

STEAM RAILWAYS.

Baltimore and Ohio Railroad.

48. All the rights and privileges, and each and every authority and permission heretofore granted to or conferred upon the Baltimore and Ohio Railroad Company by ordinances heretofore duly passed by the Mayor and City Council of Baltimore, and in force on the first day of March, 1892, are hereby confirmed, subject to all the

Ibid., Sec. 23.

Ordinances confirmed.

terms, obligations, reservations, conditions, limitations, restrictions, provisos and penalties contained in said ordinances, as fully as if the said ordinances were in this Code set out at length.*

Baltimore and Potomac Railroad and Northern Central Railway.

City Code, 1893, *Art.* 41, Sec. 24.

Ordinances confirmed.

49. All the rights and privileges, authority and permission heretofore granted to or conferred upon the Baltimore and Potomac Railroad Company and upon the Northern Central Railway Company by ordinances heretofore duly passed by the Mayor and City Council of Baltimore, and in force on the first day of March, 1892, are hereby confirmed, subject to all the terms, obligations, reservations, conditions, limitations, restrictions, provisos and penalties contained in said ordinances as fully as if the said ordinances were in this Code set out at length.†

*The several ordinances relating to the Baltimore and Ohio Railroad Company are as follows: No. 28, March 28, 1829. No. 18, April 4, 1831. No. 34, April 25, 1831. No. 41, April 6, 1832. No. 48, May 24, 1853. No. 41, April 7, 1837. No. 21, April 19, 1845. No. 37, May 2, 1845. No. 21, 1845. No. 38, May 18, 1860. No. 101, October 18, 1860. No. 72, May 18, 1864. No. 6, March 20, 1867. No. 22, April 10, 1868. No. 52, July 17, 1869. No. 45, June 8, 1874. Res. No. 198, April 10, 1873. No. 100, May 11, 1880. No. 122, May 5, 1880. No. 146, October 22, 1880. Res. No. 148, May 11, 1880. No. 63, May 5, 1881. No. 98, May 21, 1881. No. 7, May 23, 1882. No. 9, February 21, 1882. No. 11, March 9, 1883. No. 41, April 25, 1883. No. 119, June 2, 1884. No. 10, March 11, 1885. No. 16, March 18, 1885. No. 12, March 24, 1887. No. 7, March 14, 1888. No. 63, May 16, 1889. No. 87, June 7, 1889.

†The several ordinances relating to the Baltimore and Potomac Railroad Company are as follows: No. 26, May 29, 1869. No. 49, April 25, 1870. No. 26, May 29, 1869.

The several ordinances relating to the Northern Central Railway Company are as follows: No. 33, April 25, 1831. No. 31, April 10, 1837. No. 36, April 19, 1839. No. 55, June 20, 1854. No. 51, June 10, 1857. No. 59, May 11, 1863. No. 31, May 18, 1865. No. 76, June 20, 1866. No. 38, May 5, 1874. No. 119, October 19, 1882. No. 62, May 3, 1882. No. 88 May 24, 1884. No. 89, May 24, 1884. No. 155, October 21, 1889. No. 132, June 11, 1890.

PHILADELPHIA, WILMINGTON AND BALTIMORE RAILROAD.

50. In like manner, all and singular, the rights, and privileges, authority and permission heretofore granted to or conferred upon the Philadelphia, Wilmington and Baltimore Railroad Company, by ordinances heretofore passed by the Mayor and City Council of Baltimore, and in force on the first day of March, 1892, are hereby confirmed, subject to all the terms, obligations, reservations, conditions, limitations, restrictions, provisos and penalties contained in said ordinances, as fully as if the said ordinances were in this Code set out at length.* *Ibid., Sec. 25.* Ordinances confirmed.

UNION RAILROAD.

51. In like manner, all and singular, the rights and privileges, authority and permission heretofore granted to or conferred upon the Union Railroad Company by ordinances heretofore duly passed by the Mayor and City Council of Baltimore, and in force on the first day of March, 1892, are hereby confirmed, subject to all the terms, obligations, reservations, conditions, limitations, restrictions, provisos and penalties contained in said ordinances, as fully as if the said ordinances were in this Code set out at length.† *City Code, 1893, Art. 41, Sec. 26.* Ordinances confirmed.

*The several ordinances relating to the Philadelphia, Wilmington and Baltimore Railroad Company are as follows: No. , August 2, 1887. No. 70, June 16, 1853. No. 14, April 18, 1862. No. 119, October 19, 1882. Res. No. 44, March 16, 1886. Res. No. 152, November 6, 1889.

†The several ordinances relating to the Union Railroad Company are as follows: No. 2, December 1, 1870. No. 77, June 21, 1873. No. 36, April 5, 1890.

Western Maryland Railroad, Western Maryland Tidewater Railroad and Western Maryland Railroad Terminal.

Ibid., Sec. 27.

Ordinances confirmed.

52. In like manner, all and singular, the rights and privileges, authority and permission heretofore granted to or conferred upon the Western Maryland Railroad Company, the Western Maryland Terminal Company, and the Western Maryland Tidewater Railroad Company, by ordinances heretofore duly passed by the Mayor and City Council of Baltimore, and in force on the first day of March, 1892, are hereby confirmed, subject to all the terms, obligations, reservations, conditions, limitations, restrictions, provisos and penalties contained in said ordinances, as fully as if the said ordinances were in this Code set out at length.*

Baltimore Belt Railroad.

City Code, 1893, *Art.* 41, *Sec.* 28.

Ordinances confirmed.

53. All the provisions of Ordinances Nos. 83 and 84, approved May 14, 1890, relating to the route of the railroad of the Baltimore Belt Railroad Company through the city of Baltimore, and the mode, terms and conditions of the building and construction of said railroad within said city, and authorizing said company in the construction of its railroad to make certain uses of the streets of said city, are hereby re-enacted and confirmed as fully as if the same were herein reproduced at length.

*The several ordinances relating to the Western Maryland Railroad Company, the Western Maryland Terminal Company, and the Western Maryland Tidewater Railroad Company, are as follows: No. 95, October 22, 1873. No. 22, April 3, 1879. No. 33, April 17, 1879. No. 71, May 10, 1882. No. 92, May 25, 1882. No. 114, October 9, 1882. No. 11, March 10, 1886. No. 23, April 5, 1889. No. 133, June 11, 1890.

54. All the provisions of Ordinances No. 51, approved April 18, 1892, and No. 19, approved February 27, 1893, relating to the Baltimore Belt Railroad Company, are hereby re-enacted and ordained as fully as if the same were herein reproduced at length.

City Code, 1893, *Art.* 41, *Sec.* 28*a*.

Ordinances re-enacted.

Baltimore and Lehigh Railroad.

55. The provisions of Ordinance No. 94, approved May 18, 1881, and of Ordinance No. 27, approved March 20, 1882, relating to the Baltimore and Delta Railroad Company, now known by the name of the Baltimore and Lehigh Railroad Company, are hereby re-enacted and confirmed as fully as if the same were herein reproduced at length.

Ibid., *Sec.* 29

Ordinances confirmed.

STREET PASSENGER RAILWAYS.

Tracks Across Bridges.

56. It shall not be lawful for any passenger railway company to construct any railway track over any of the bridges belonging to the city of Baltimore in any other manner than by notching the regular form of rail, or by laying a bar three-fourths to one inch in thickness on the top of the floor of the bridge; and any person or persons or body corporate who shall violate the provisions of this section shall forfeit and pay a penalty of twenty dollars, and a further penalty of ten dollars for every day such violation shall be continued, to be recovered in the same manner as other fines and penalties are now recoverable.

City Code, 1893, *Art.* 41, *Sec.* 30.

Street railways, how to be built across bridges.

REPAIRS TO STREETS.

City Code, 1893, *Art.* 41, *Sec.* 34.

Streets between tracks and for two feet on each side to be kept in repair.

57. Said railway companies shall keep the streets covered by said tracks, and extending two feet on the outer limits of either side of said tracks, in thorough repair, at their own expense, and shall free the same from snow or other obstructions, in doing which they shall not cause to be obstructed the other portions of the street on either side of the railway tracks authorized by this article to be constructed, and for noncompliance the Mayor and City Council may impose such reasonable fines, not exceeding twenty dollars per square, to be collected as other fines are now collected.

Ibid., *Sec.* 35.

Penalty for failing to put streets in repair.

58. For each and every case of neglect, failure or refusal on the part of any of the street passenger railway companies of this city to put in thorough repair, at their own expense, the streets in which their tracks are laid, in the manner specified in the ordinance granting to said company or companies the use of said streets, after being duly notified by the City Commissioner in writing, of the necessity for such repairs, the company so neglecting, failing or refusing to make such repairs, shall pay a fine of twenty dollars for every square on the route or line of tracks of said company, in or along which it shall so neglect, fail or refuse to put said streets in repair; said fines to be enforced as other fines for the violation of city ordinances are.

SAND ON RAILS.

City Code, 1893, *Art.* 41, *Sec.* 36.

Sand or gravel may be used upon rails.

59. The several street railway companies are authorized, from time to time, to spread clean sand or gravel upon and between their rails.

Baltimore City Passenger Railway Company.

60. All the provisions of all the ordinances of the Mayor and City Council of Baltimore heretofore duly passed, relating to the Baltimore City Passenger Railway Company, and in force on March 1, 1892, are hereby re-enacted and ordained as fully as if the same were herein reproduced at length.* *Ibid., Sec. 37.* Ordinances confirmed.

61. All the provisions of Ordinances No. 66, approved April 29, 1892, and No. 102, approved October 8, 1892, relating to the Baltimore City Passenger Railway Company are hereby re-enacted and ordained as fully as if the same were herein reproduced at length. *City Code, 1893, Art. 41, Sec. 37a.* Ordinances re-enacted.

Baltimore Traction Company.

Formerly the Citizens' Railway Company.

62. All the provisions of all the ordinances of the Mayor and City Council of Baltimore relating to the Citizens' Railway, heretofore duly passed and in force on March 1, 1892, are hereby re-enacted and ordained as fully as if the same were herein reproduced at length.† *Ibid., Sec. 38.* Ordinances confirmed.

*These ordinances are as follows: No. 44, March 28, 1859. No. 44, June 28, 1860. No. 70, August 1, 1860. No. 54, September 11, 1865. No. 9, February 23, 1866. No. 21, May 11, 1869. No. 27, March 30, 1870. No. 27, March 30, 1870. No. 3, November 29, 1870. No. 4, November 18, 1871. No. 88, July 5, 1872. No. 147, October 9, 1875. No. 49, May 14, 1879. No. 20, March 16, 1880. No. 102, June 16, 1880. No. 80, May 14, 1885. No. 85, May 18, 1887. No. 115, October 18, 1887. No. 35, April 26, 1889. No. 79, May 15, 1889. No. 93, June 7, 1889. No. 172, November 8, 1889.

†These ordinances are as follows: No. 70, July 9, 1868. No. 85, June 29, 1870. No. 109, June 19, 1871. No. 7, November 22, 1871. No. 2, November 17, 1874. No. 88, October 4, 1878. No. 22, March 25, 1884. No. 41, April 18, 1887. No. 56, May 4, 1887. No. 18, March 22, 1889. No. 123, June 7, 1890.

Central Railway.

City Code, 1893, *Art.* 41, *Sec.* 39.

63. All the provisions of all the ordinances of the Mayor and City Council of Baltimore, duly passed and in force on March 1, 1892, relating to the Central Passenger Railway Company, are hereby re-enacted and ordained as fully as if the same were reproduced in this Code at length. All the provisions of all the ordinances of the Mayor and City Council of Baltimore, duly passed and in force on March 1, 1892, relating to the Central Cross Town Line, are hereby re-enacted and ordained as fully as if the same were reproduced in this code at length.*

Ibid., 39A.

City Code, 1893, *Art.* 41, *Sec.* 39A.

64. All the provisions of Ordinances No. 19, approved March 2, 1892, and No. 62, approved April 27, 1892, relating to the Central Railway Company, are hereby re-enacted and ordained as fully as if the same were reproduced herein at length.

Ordinances re-enacted.

Baltimore and Hall's Springs Railway.

Ibid., *Sec.* 40.

65. All the provisions of all the ordinances of the Mayor and City Council of Baltimore, relating to the Baltimore and Hall's Springs Railway Company, duly passed and in force on March 1, 1892, are hereby re-enacted and ordained as fully as if the same were reproduced in this Code at length.†

Ordinances confirmed.

*These ordinances are as follows: No. 54, April 21, 1881. No. 57, April 27, 1881. No. 2, February 17, 1883. No. 114, May 29, 1884. No. 56, May 2, 1885. No. 154, July 2, 1890.

†These ordinances are as follows: No. 90, July 16, 1872. No. 107, October 18, 1872. No. 47, June 9, 1874. No. 101, May 25, 1875. No. 91, October 24, 1879. No. 83, March 31, 1880. No. 18, March 20, 1885.

Highlandtown and Point Breeze Railway.

66. All the provisions of the several ordinances of the Mayor and City Council of Baltimore, relating to the Highlandtown and Point Breeze Railway, duly passed and in force on March 1, 1892, are hereby re-enacted and ordained as fully as if the same were herein reproduced at length. *Ibid., Sec. 41.* Ordinances confirmed.

Baltimore, Canton and Point Breeze Railway.

67. All the provisions of Ordinance No. 50, approved April 18, 1892, relating to the Baltimore, Canton and Point Breeze Railway Company of Baltimore city, are hereby re-enacted and ordained as fully as if the same were herein reproduced at length. *Ibid., Sec. 41a.* Ordinance re-enacted.

Baltimore, Pimlico and Pikesville Railway.

68. The Baltimore, Pimlico and Pikesville Railway Company is authorized to use upon its road the Roberts Noiseless Steam Motor, from North avenue to the city limits, provided said motor shall not exhaust smoke or steam into the atmosphere. *Ibid., Sec. 42.* May use Roberts Noiseless Steam Motor.

The North Avenue Railway.

69. All the provisions of Ordinances No. 46, approved April 8, 1892, and No. 1, approved November 18, 1892, relating to the North Avenue Railway Company of Baltimore city, are hereby re-enacted and ordained as fully as if the same were herein reproduced at length. *City Code, 1893, Art. 41, Sec. 45a.* Ordinances re-enacted.

North Baltimore Passenger Railway.

Ibid., Sec. 46a.

Ordinance re-enacted.

70. All the provisions of Ordinance No. 23, approved March 14, 1892, relating to the North Baltimore Passenger Railway Company, are hereby re-enacted and ordained as fully as if the same were herein reproduced at length.

Baltimore and Randallstown Railroad.

City Code, 1893, Art. 41, Sec. 43.

Ordinance confirmed.

71. The provisions of Ordinance No. 68, approved May 24, 1872, relating to the Baltimore and Randallstown Railroad, are hereby re-enacted and ordained as fully as if the same were herein reproduced at length.

Baltimore and Powhatan Railway.

Ibid., Sec. 44.

May use storage electricity.

72. The Baltimore and Powhatan Railway Company is authorized to use as a motive power for propelling its cars storage electricity, or such other improved motive power, excepting steam power, as said company shall elect to use upon its line of railway within the city limits, the same beginning at the northern terminal of the Edmondson avenue tracks of the North Baltimore Passenger Railway Company, and ending at the northern boundary of the present city limits, where the same intersects the Windsor road. The said Baltimore and Powhatan Railway Company shall have the privilege to erect the necessary engines, machinery and plant for the purposes herein granted under the rules governing the erection of buildings and placing of engines within the city limits.

North Avenue Electric Railway.

73. All the provisions of the several ordinances of the Mayor and City Council of Baltimore, duly passed and in force on the first of March, 1892, relating to the North Avenue Electric Railway Company, are hereby re-enacted and ordained as fully as if the same were reproduced in this Code at length.

Ibid., Sec. 45.

Ordinances confirmed.

North Baltimore Passenger Railway.

Formerly called the Baltimore, Peabody Heights and Waverly Railroad.

74. All the provisions of the several ordinances of the Mayor and City Council of Baltimore, relating to the Baltimore, Peabody Heights and Waverly Railroad, and to the North Baltimore Passenger Railway Company, duly passed and in force on the first day of March, 1892, are hereby re-enacted and ordained as fully as if the same were reproduced at length in this Code.*

City Code, 1893, Art. 41, Sec. 46.

Ordinances confirmed.

The People's Railway.

Formerly called the People's Passenger Railway Company.

75. All the ordinances of the Mayor and City Council of Baltimore, relating to the People's Passenger Railway Company, and the People's Railway Company, duly

Ibid., Sec. 47.

Ordinances confirmed.

*The ordinances relating to the Baltimore, Peabody Heights and Waverly Railroad are as follows: No. 27, March 28, 1872. No. 74, June 7, 1872. No. 106, June 8, 1875. No. 36, April 28, 1879. No. 24. March 26, 1884. No. 25, April 2, 1885.

The ordinances relating to the North Baltimore Passenger Railway Company are as follows: No. 63, May 3, 1888. No. 42, May 9, 1889. No. 145, September 9, 1889.

passed and in force on first of March, 1892, are hereby re-enacted and ordained as fully as if the same were reproduced in this Code at length.†

The Baltimore Union Passenger Railway.

City Code, 1893, *Art.* 41, *Sec.* 48.

Ordinances confirmed.

76. All the provisions of the ordinances of the Mayor and City Council of Baltimore relating to the Baltimore Union Passenger Railway Company, duly passed and in force on first of March, 1892, are hereby re-enacted and ordained as fully as if the same were reproduced in this Code at length.*

Baltimore Union Passenger Railway, Highlandtown and Point Breeze Railway, and the City and Suburban Railway.

Ibid., *Sec.* 48*a*.

Ordinances re-enacted.

77. All the provisions of Ordinance No. 47, approved April 8, 1892, relating to the Baltimore Union Passenger Railway Company, and of Ordinance No. 121, approved May 4, 1893, relating to the City and Suburban Railway Company, the successor of the Baltimore Union Passenger Railway Company, and the Highlandtown and Point Breeze Railway Company, are hereby re-enacted and ordained as fully as if the same were herein reproduced at length.

†These ordinances are as follows: No. 74, June 28, 1878. No. 105, October 23, 1878. No. 16, March 18, 1879. No. 76, July 5, 1879. No. 58, April 27, 1881. No. 49, May 2, 1884. No. 104, May 24, 1884. Res. No. 176, May 26, 1884. No. 80, June 2, 1886. No. 77, May 24, 1889.

*These ordinances are as follows: No. 150, October 25, 1880. No. 65, May 5, 1881. No. 40, April 6, 1882. No. 96, June 16, 1886. No. 98, September 30, 1887. No. 155, July 2, 1890.

Baltimore and Yorktown Turnpike Road.

78. All the provisions of the ordinances of the Mayor and City Council relating to the Baltimore and Yorktown Turnpike Road, duly passed and in force on first of March, 1892, are hereby re-enacted and ordained as fully as if the same were reproduced in this Code at length.† *Ibid., Sec. 49.* Ordinances confirmed.

Electric Storage Company.

79. The Electric Storage Company of Baltimore city shall have the right to use one traction car or railway carriage, propelled by storage battery or batteries, upon any one or more of the tracks of railway and switches belonging to the respective passenger railway companies in the city of Baltimore, with the previous assent and permission of each of the passenger railway companies whose tracks are so used; provided, that such traction car or railway carriage so propelled shall not be propelled at a greater rate of speed than five miles per hour, except when there are grades requiring a greater speed, and that such speed shall not exceed the rate of six miles per hour; and that the person or persons having charge of such traction car or railway carriage so propelled shall ring a bell or strike a gong when approaching any and every cross street; the said Electric Storage Company of Baltimore city, using such traction car or railway carriage so propelled under the provisions of this section, and violating in such use any of the conditions herein set forth, shall be liable to a *Ibid., Sec. 50.* May experiment on tracks with consent of railway companies.

† These ordinances are as follows: No. 7, February 17, 1863. No. 15, March 21, 1863. No. 40, June 20, 1865. No. 130, October 14, 1871. No. 55, April 30, 1873. No. 48, June 9, 1874. No. 100, May 27, 1881.

Penalty.

penalty of $20 for every violation of any of such conditions; provided, however, that said company shall be responsible for any and all damage of every kind for the use of said track. The Mayor of the city of Baltimore may, in the exercise of his discretion, revoke at any time the permission hereby granted to said Electric Storage Company of Baltimore city.

THE EDMONDSON AVENUE, CATONSVILLE AND ELLICOTT CITY RAILWAY.

City Code, 1893, *Art.* 41, *Sec.* 51.

Ordinance re-enacted.

80. All the provisions of Ordinance No. 109, approved October 17, 1892, relating to the Edmondson Avenue, Catonsville and Ellicott City Railway Company, are hereby re-enacted and ordained as fully as if the same were herein reproduced at length.

GENERAL.

City Code, 1893, *Art.* 41, *Sec.* 61.

General re-enacting section.

81. All ordinances relating to railroads in force at the time of the adoption of this Code, not herein specially referred to, are hereby re-enacted as fully as if herein reproduced at length.

REPAIRS BY RAILWAY COMPANIES.

Ord. No. 12, *App. Feb.* 23, 1893.

Railway companies to replace the flagstones.

82. It shall be the duty of the various city passenger and other railway companies, whenever it may be necessary for the purpose of repairing or repaving the beds of the streets within the present corporate limits, occupied by or between the tracks of any of the said companies, to remove any of the flagstones used as street crossings, or the granite or iron gutter-plates laid at the city's or their own expense, to replace the same properly after completing the said repairs or repaving.

83. It shall be the duty of the City Commissioner to notify the proper officer or officers of any of said companies of the violation of the provisions of this ordinance, whenever the same may occur, and if after the lapse of ten days after giving the said notice the said company or companies neglect the same, then the said company or companies shall be liable to a fine of $10 per day, during each day, until said stones or plates are replaced, the said fine to be collected in such manner as all other fines for violations of the city's ordinances are collected, and that this ordinance shall take effect from the date of its approval. *Ibid.* Duty of City Commissioner. Penalty.

FENDERS.

84. All city passenger railway companies using any of the streets of Baltimore for the purpose of running thereon street railway cars propelled by any species of mechanical traction, shall provide for each car or train of cars a car-fender or fenders with both front and wheel guards of a design which the Mayor, Register and City Commissioner shall have certified in writing over their signatures to, in their judgment, comply with the requirements set forth in the report made to the commission appointed under the provisions of resolution of the Mayor and City Council, No. 184, approved April 28, 1894, by Mendes Cohen, engineer to said commission. A failure on the part of any of said companies to comply with the provisions of this ordinance within three months after the day of its approval, shall subject such company so in default to a fine or penalty of five dollars a day for each and every car operated without said fender or fenders; said fines to be collected as other fines and penalties for violation of city ordinances are collected. *Ord. No. 100, App. Oct. 6, 1894.* Car fenders to be provided. Penalty.

BOLTON LOT.

Ord. No. 19, *App. Feb.*27,1893.

85. Whereas, By Section 3, of Ordinance No. 51, approved April 18, 1892, entitled "An ordinance to provide for the sale by the Mayor and City Council of Baltimore to the Baltimore Belt Railroad Company of a portion of the Bolton lot property, and for the improvement of the residue of said property as a public park," it is provided that so much of the property in said ordinance designated as the Bolton lot property as shall remain after the purchase by the Baltimore Belt Railroad Company of the portion of the said Bolton lot property particularly described in Section 1 of said Ordinance No. 51, of April 18, 1892, and which is required for depot purposes, shall be henceforth dedicated and used as a park for the use of the public; and

Preamble.

Whereas, It may not be for the public interest that said portion of said lot shall be so used and maintained as a public park, and may be for the public interests to use the same for other and different municipal purposes; and

Preamble.

Whereas, It is the intention of this ordinance to expressly repeal and modify said Section 3 of said Ordinance No. 51, of April 18, 1892, so far as the same may be construed in any way to obligate or bind the Mayor and City Council to maintain or keep any part of the said Bolton lot property for park purposes, or to in any way prevent the said Mayor and City Council from hereafter using said property for any other municipal purpose they may deem proper; therefore,

Preamble.

Section 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That Section 3 of Ordi-

nance No. 51, approved April 18, 1892, be repealed and re-enacted so as to read as follows:

Mayor to notify the Belt R. R. Co. of the intention of the city to use or not to use a portion of the Bolton lot as a park.

SEC. 3. And be it further enacted and ordained, That in case said purchase be consummated, then on or before the first day of January, 1895, the Mayor shall, in writing, inform the president of the Baltimore Belt Railroad Company whether the city authorities desire and intend to use and maintain the portion of said Bolton lot not taken by the Belt Railroad Company as a park for the use of the public, and the hereinbefore mentioned deed, if executed and delivered as aforesaid, shall contain a covenant on the part of the said railroad company, binding it, in case the Mayor shall notify in writing within the above prescribed time its president that the city authorities do not intend to use said remaining portion of Bolton lot as a public park, to within three months after the receipt of such notice (or within such further time as the Mayor may designate, in no event, however, to exceed six months from the receipt of said notice), at its own expense to grade said lot in a manner satisfactory to the City Commissioner, and a further covenant on the part of said company, binding it, in case the Mayor shall within the prescribed time notify its president that the city authorities do intend to use said remaining portion of Bolton lot as a public park, to do, or cause to be done, at its own expense, all excavating, planting of trees and shrubs, sodding, making of walks and drives, and general improvements of that nature, for the purpose of fitting for the uses of a public park all the residue of said property not conveyed to the said company, the same to be done under the supervision of the Park Board, or its engineer or agent, and to the extent and manner they or he may

Deed to contain a covenant

Deed to contain a further covenant.

direct, and to complete such work not later than six months after the receipt of said notice; and a further covenant, that all that portion of the property to be conveyed to said company, which shall be used by it for the purpose of a roadway or walk to the depot court, shall remain at all times open to the public, and access to it shall never be obstructed by means of fencing, gates, or in any other manner, and nothing in this ordinance shall be construed as in any way preventing the Mayor and City Council from, at any time hereafter, changing the use of the portion of said Bolton lot property, not herein sold to the Belt Railroad Company, to any municipal uses other than that of a public park.

SEWERS.

City Code, 1893. *Art.* 45, *Sec.* 1. Board.

86. The Commissioners for Opening Streets, together with the City Commissioner, are hereby constituted a board to carry into effect the provisions of this article.

Ibid., *Sec.* 2. Oath of Board.

87. In each and every case, before the commissioners shall proceed to act as a board in the exercise of the powers confided to them by this article, they shall severally take and subscribe the following oath or affirmation before a Justice of the Peace: "I, A. B., do swear, or solemnly, sincerely and truly declare and affirm, that I will, to the best of my judgment, knowledge and ability, faithfully, impartially and diligently execute the duties of a commissioner for the construction of sewers in the city of Baltimore, according to law and the ordinances of the Mayor and City Council of Baltimore.

88. The said oath or affirmation shall be recorded in a book to be provided by the said commissioners for the recording of their proceedings, and the justice in whose presence the said oath or affirmation shall be made and subscribed shall certify thereto under his hand in the same book. *Ibid., Sec. 3.* Oath to be recorded.

89. The clerk to the Commissioners for Opening Streets shall keep a full and true record of all their proceedings in a book provided as aforesaid, under the direction and supervision of the City Solicitor, and in such form as he may describe; and the said clerk shall record all orders made by the said commissioners in regard to the performance of their duties, and make true copies of all notices by them directed to be published, and the certificate of the publication thereof; and shall perform such other necessary duties as the said commissioners shall require; and the said commissioners shall also have the power to obtain the services of the City Surveyor, and such other assistants and agents as they may deem necessary, in the exercise of their powers, and allow to the clerk, and each of the persons so employed by them, such compensation as may be fixed by ordinance, and if not so fixed, as the said commissioners may deem reasonable, and assess the said compensation and all other necessary charges; and the clerk and other persons to be so employed shall severally take and subscribe an oath or affirmation similar in substance to that required to be taken and subscribed by the commissioners, which shall be in like manner entered in the record of the proceedings of the said commissioners. *Ibid., Sec. 4.* Duties of clerk. Services of City Solicitor and City Surveyor.

City Code, 1893, *Art.* 45, *Sec.* 5.

Benefits and damages.

90. When the said commissioners shall assess a sum of money to be paid by any person or persons for benefits derived by such person or persons, by constructing, opening, enlarging or straightening any sewer, and shall assess a sum of money to be paid to the same persons for injury sustained by constructing, opening, enlarging or straightening any sewer, it shall and may be lawful, upon a certificate and abstract of title from the Examiner of Titles, for the Register or Collector to receive from such person or persons an assignment for the sum or sums so assessed as damages as aforesaid.

Ibid., *Sec.* 6.

Proceedings of board in executing ordinance.

91. Whenever the Mayor and City Council of Baltimore shall hereafter by ordinance direct the Commissioners for Opening Streets and Sewers to construct, open, enlarge or straighten any sewer within the bounds of this city, the said commissioners shall give at least thirty days' notice in at least two of the daily newspapers of the city, and also thirty days' notice, in writing, to the owners or agents of any private property through which any sewer may be intended to pass, of the object of the ordinance under which they are about to act, and of the day, hour and place of their first meeting under the said ordinance; and the said commissioners shall meet at the time and place mentioned in the notice given by them, and proceed to exercise the power and perform the duty assigned to and required of them, under and by virtue of this article, and ascertain whether any and what amount in value of damage will thereby be caused to the owner of any right or interest claimed in any ground or improvements within or adjacent to the said city, over and above the amount in value of benefit which will thereby

accrue to such owner, for which, taking into consideration all advantages and disadvantages, such owner ought to be compensated; and in addition thereto shall award to the occupant or occupants of any lot of ground or of any improvement that may be removed, such damages, if any, as the commissioners, or a majority of them, may believe such party or parties have sustained by such removal; and the said commissioners, after having ascertained the whole amount of damages as aforesaid, and after having added thereto an estimate made by them of the probable amount of expenses which will be incurred in the performance of the duties required of them as aforesaid, and also the expense incurred by the Register under the provisions of this article, shall proceed to assess all the ground and improvements within and adjacent to the city, the owners of which, as such, the said commissioners shall decide and deem to be directly benefited by accomplishing the object authorized in the ordinance aforesaid, being governed as far as practicable by the number of superficial feet drained; and should the direct benefits assessed as aforesaid not be equal to the damage and expenses incurred, the balance of said expenses and damages shall be paid by the City Register and be taken out of the general levy; subject, nevertheless, to all such restrictions exempting certain descriptions of property from assessment as are contained in any law of the State or in any ordinance of the city.

City Code, 1893, Art. 45, Sec. 7.

Proceedings where part only of property is taken.

92. In every case where it shall be necessary, in order to effect the object proposed, that a part only of a house and lot, or of a lot, shall be taken and used or destroyed, and the owner or owners thereof shall claim to

be compensated for the whole, the said commissioners may ascertain the full value thereof, as if the whole lot and improvements were necessary to be taken and used for such proposed object, and the whole amount of such valuation, when finally decided on, shall be paid or tendered to the owner or owners thereof, or invested in city stock for his, her or their use before any part thereof shall be destroyed, removed or used, unless such owner or owners shall assent thereto in writing, as provided in Section 14 of this article; and the said commissioners, after giving ten days' notice in two of the daily newspapers of the city, of the time and place, manner and terms of sale, shall sell the materials of any house which it shall be necessary to remove, in whole or in part, and the residue of any lot of which a part shall be taken and used as necessary to effect the object confided to the commissioners, and for the whole of which the commissioners may award compensation as hereinbefore provided, at public auction, to the highest bidder for cash, to be paid on the day when full possession shall be given of the property or materials so sold; and the said commissioners, or a majority of them, on receiving the price or sum of money so bid, shall by a good and sufficient deed, to be executed and acknowledged by them in the form and manner required by law for conveying the title of lands in this State, convey any ground by them so sold to the purchaser thereof; and such sale shall be made before the commissioners shall proceed to assess the amount of damages and expenses to be assessed as directed by this article; and the said commissioners are duly empowered to take and receive a bond of the purchaser of the property or materials aforesaid, with a

penalty to the Mayor and City Council of Baltimore, that the price for which the same was sold shall be duly paid at such time as they, the said commissioners, are prepared to deliver possession of said property and materials, and that the said purchaser shall remove, within sixty days thereafter, such materials so sold, and all rubbish or other obstructions occasioned thereby, and in the event of the purchasers failing forthwith to comply with the terms of said sale, the commissioners shall resell the said property or materials at the risk of the former purchaser or purchasers, giving not less than five days' notice of said sale in two of the daily newspapers of the city aforesaid; provided, however, that when, in the opinion of said commissioners, the part of a lot necessary to effect the object proposed can be taken without destroying the whole lot for the purpose for which it is used, or for building purposes, then said commissioners shall condemn such part only of such lot as is necessary for the proposed object, and shall award to the owner or owners of the part of the lot so taken such damages, and assess the remainder thereof such benefits as in their judgment shall be just and proper; provided further, that when a lot is destroyed for the purposes for which it is used, or for building purposes, then the said commissioners shall give a notice in writing to the owner or owners thereof, or their agent or agents, of the damage about to be sustained, and such owner or owners, or their agent or agents as aforesaid, shall have the space of thirty days to determine whether they will or not surrender the lot so damaged.

City Code, 1893, *Art.* 45, *Sec.* 8.

Statement of proceedings to be filed with City Register.

93. As soon as the commissioners aforesaid shall have completed the valuation of damages ascertained by them, as directed by Section 6 of this article, they shall cause a statement thereof to be made out and placed in the office of the City Register for the inspection of all persons desiring information of its contents, and such statement, together with an explanatory map or maps, shall contain a correct description of each separate lot or parcel of ground deemed to have sustained damages, its length and breadth, the name of any street, square, lane or alley on which it bounds; the names of all persons who shall claim any estate or interest in it, and the amount of damages as valued by the commissioners; and if there be any house or other improvement on it necessary to be removed in whole or part, a description of the size and such other particulars as the commissioners shall deem proper, and in like manner a description of each parcel of ground deemed by the commissioners to be benefited, the name or names of such person or persons as shall claim any estate or interest therein and the amount assessed thereon for benefits; and the commissioners shall cause a notice to be published four successive days, in three daily newspapers of the city, stating the extent of the ground covered by the assessment, and that such statement and map or maps have been so deposited with the Register for examination, and that the commissioners will meet at the office of the Commissioners for Opening Streets and Sewers on a day in such notice to be named, which shall be within ten days after the first publication of such notice, to review any of the several matters set forth in the said statement, to which any person claiming to be interested therein shall, on that day so ap-

Notice by advertisement of review of proceedings.

pointed, make objection; and the commissioners shall meet at the time and place so appointed, and consider all such representations and testimony on oath or affirmation, verbal or in writing, in relation to any matter in said statement which shall be offered to them on behalf of any person claiming to be interested therein; and the said commissioners shall make all such corrections and alterations in the valuations, assessments and estimates, and all other matters contained in the said statements and explanatory map or maps aforesaid, as in their judgment shall appear to them, or a majority of them, to be just and proper; and they may adjourn from day to day, if necessary, to give all parties claiming a review an opportunity to be heard, not exceeding in the whole ten days; and after closing such review the commissioners shall make all such corrections in their statement and explanatory map or maps as they shall deem proper, and cause such statement and map or maps so corrected and certified under the hands and seals of said commissioners and their clerk, to be deposited in the office of the Register as one of the records of the city; and it shall be the duty of the Register within five days after said proceedings shall have been deposited in his office, to notify all persons interested, by an advertisement to be inserted once a week for four successive weeks in three of the daily newspapers of the city, that the said assessment and maps have been so placed in his office, and that the parties interested therein are entitled to appeal therefrom by petition in writing to the Baltimore City Court.

Notice by Register.

City Code, 1893, Art. 45, Sec. 9.

Appeal and proceedings upon appeal to Baltimore City Court.

94. Any person or persons, or corporations, who may be dissatisfied with the assessment of damages or benefits as hereinbefore provided may, within thirty days after the return of corrected statement and map or maps to the Register, as provided in the eighth section of this article, and the first publication of the notice thereof by the Register, appeal therefrom, by petition in writing, to the Baltimore City Court, praying the said court to review the same, and on any such appeal the court may and shall appoint a day for hearing said appeal, which shall not be less than five nor more than thirty days after the expiration of the thirty days limited for taking appeals as aforesaid, and shall direct the clerk of the said court to issue a *subpœna duces tecum* to the Register of the City, requiring him to produce and deliver to said court the record of the proceedings of the Board of Commissioners in the case, and all maps, plats, documents and papers connected with such record; and the said Baltimore City Court shall have full power to hear and fully examine the subject and decide on the said appeal, and for that purpose is hereby authorized and empowered to adjourn from time to time, and may cause all such appeals to be consolidated, or may hear and decide them separately, and may require the said commissioners, their clerks, surveyor or other agents and servants, or any of them, and all such other persons as the court shall deem necessary to attend and examine them on oath or affirmation, and may permit and require all such explanations, amendments and additions be made to and of the said record of the proceedings as the said court shall deem requisite; and the persons appealing to the Baltimore City Court as aforesaid shall be secured in

the right of a jury trial, and the said court shall direct the Sheriff of Baltimore City to summon twelve or more persons qualified to be jurors, and shall empanel any twelve disinterested persons so summoned or attending the court to try any question of facts, and if necessary to view any property in the city or adjacent thereto to ascertain and decide on the amount of damages or benefits under the direction of the court; and the said court shall not reject or set aside the record of the proceedings of the said commissioners for any defect or omission in either form or substance, but shall amend or supply all such defects and omissions, and increase or reduce the amount of damages and benefits assessed, and alter, modify and correct the said return of proceedings in all or any of its parts as the said court shall deem just and proper, and shall cause the proceedings and decisions on said returns and appeals to be entered in the book containing the record of the proceedings of the commissioners, certified by the clerk, under the seal of the court, and the book to be transmitted to the Register of the City, which shall be final and conclusive in every respect, unless an appeal be taken to the Court of Appeals, and such records, book or copy of the proceedings therein, or any part of such proceedings, whether in court or out of court, certified by the Register of the City, under the corporate seal of the city, shall be evidence in any court in this State; and the Judge of the Baltimore City Court shall have full power, in his discretion, to add the reasonable costs of any appeal, to be taxed by him, or any part thereof, to the damages to be collected for constructing, opening,enlarging or straightening any sewer, or to require such cost, or any part thereof, to be paid by all, or by either

of the appellants, as the circumstances of each appeal in his opinion shall justify.

City Code, 1893, *Art.* 45, *Sec.* 10.

Transfers of proceedings to City Collector.

95. If no appeal shall have been prayed within ten days after the time hereinbefore limited therefor, or after the return of the decision upon any appeal shall have been made to the Register, the said Register shall transfer the said commissioner's return to the Collector, who shall proceed forthwith to notify the parties assessed for benefits, by means of bills specifying the several sums so assessed, and warning them that if the same be not paid within six months from the date of such transfer of said commissioners' return, he will proceed to sell the specific piece or parts of property on which such unpaid sum or sums of money shall have been assessed, in the manner, and after having given the notice directed by the eleventh section of this ordinance.

Ibid., *Sec.* 11.

Sale of property for non-payment of benefits.

96. If the sums assessed upon the property benefited shall not be paid within the time above limited, the Collector is hereby authorized and directed to sell the property or any part thereof on which such assessment has been laid, giving not less than thirty days' nor more than sixty days' notice of said sale in two of the daily newspapers published in the city of Baltimore; said notice to be published within ten days after the expiration of the time limited in the tenth section for the payments of said benefits, and the moneys so collected by the Collector shall be paid over by him to the Mayor and City Council of Baltimore, as other moneys are directed to be paid over, and by them to the persons entitled to receive the same.

97. In all cases in which the City Collector shall sell any property on account of the non-payment of assessments made for the constructing, opening, enlarging or straightening of any sewer, it shall be his duty to sell said property to the extent and subject to the same conditions which are provided by ordinance for the sale of real estate in the city of Baltimore, charged with the payment of other taxes imposed by this corporation; and in the event of the purchaser or purchasers failing forthwith to comply with the terms of said sale, the Collector shall resell the same at the risk of the former purchaser, giving not less than ten days' notice in two of the daily newspapers of the city aforesaid; and after collecting the benefit assessments he shall forthwith return the proceedings of said commissioners to the City Comptroller.

Ibid., Sec. 12.

Terms and conditions of sale.

98. The Collector on receiving the full amount of the purchase money on such sale shall execute a deed of conveyance in favor of the purchaser or purchasers, or their assigns or assignees, which deed shall convey a fee simple or leasehold estate, as the case may be, in and to such property; and after deducting the costs of sales, advertising and other necessary expenses, he shall pay the balance of such purchase money to the the Mayor and City Council of Baltimore, who shall pay over the said balance, after deducting the amount assessed on said property, to the person or persons entitled thereto on demand without interest.

City Code, 1873, Art. 45, Sec. 13.

Deed to purchaser.

99. All the sums of money assessed by the commissioners aforesaid, upon property deemed by them to be benefited, shall be and continue liens on each several piece of property so assessed to the amonnt of its par-

Ibid., Sec. 14.

Benefits to be liens on property.

ticular assessment, until the same shall be paid to the city; but no sewer shall be constructed, opened, enlarged or straightened on or under the ground of any person or persons, or corporations adjudged by the commissioners to be entitled to damages for said opening and so forth, without the consent in writing of the person or corporation so entitled, until such damages shall be paid, or the amount thereof invested in the city stock for the use of each person or corporation entitled to any part of the compensation for such damages to the amount of his, her or their respective right and interest therein, of which investment the Register's certificate, under the corporate seal of the city, shall be competent proof.

City Code, 1893, *Art.* 45, *Sec.* 15.

Lien transferable to third party paying benefits.

100. Any person or persons not claiming title to any lot or piece of property upon which any sums shall be assessed as aforesaid, may pay the amount of the sum so assessed within the time limited, to the Register of the City, and obtain his certificate of having paid such sum without claiming title to the property, and such payments shall vest in the person or persons paying, his, her or their heirs the lien on such lot or property mentioned in Section 99 of this article.

Ibid., *Sec.* 16.

Appointment of special commissioners.

101. If it should so happen that any one or more of said commissioners should be interested in any particular case, the Mayor shall make a temporary appointment of a commissioner or commissioners to act in the place and stead of such interested commissioner or commissioners, who shall take the oath or affirmation, as the case may be, and in all respects conduct himself as the commissioners who are biennially appointed.

102. In case the said commissioners shall commence any proceedings by virtue of this article, they shall be allowed not exceeding ninety days to complete the same; provided, should said commissioners ascertain it to be impracticable so to complete the said proceedings they shall make to the Mayor or City Council a full and explicit report of the cause or causes of such inability, together with all such other matters connected therewith as the Mayor or City Council may from time to time require, and shall suspend all further proceedings until otherwise directed.

Ibid., Sec. 17.

Proceedings to be completed within 90 days.

Proviso.

103. The said commissioners shall proceed to close all their work, notwithstanding they may not be reappointed, within six months from and after the expiration of the time for which they were appointed by virtue of the first section of this article.

City Code, 1893, *Art.* 45, *Sec.* 18.

Retiring commissioners to have six months to close all their work.

104. Whenever any lot or part of a lot, or parcel of ground, may be taken for the purpose of constructing, opening, enlarging or straightening any sewer, and damages assessed therefor, and there shall be an outstanding unexpired term of years therein, the said commissioners shall discriminate in their proceedings between the value of fee simple or ground rent interest and the leasehold interest.

Ibid., Sec. 19.

Fee and leasehold interest to be discriminated.

105. Whenever any obstruction shall have remained in the way of any sewer so to be opened, enlarged or straightened, for the space of sixty days after the proceedings of the said commissioners shall have been returned to the Register of the city, it shall be the duty

Ibid., Sec. 20.

Obstructions to be removed.

of said commissioners to cause the same to be removed, and to draw on the Register for the expenses so incurred, which shall be paid by him; and the Mayor shall forthwith cause a suit for the recovery of said expenses, to be instituted against the person or persons by whose default the said obstruction has been suffered to remain, and the same, when recovered, shall be paid to the Register for the use of the city.

Ibid., Sec. 21.

Per diem to commissioners.

106. In each case of constructing, enlarging or straightening any sewer, under the provisions of this article, the said commissioners shall, for each and every day in which they and their clerk shall be actually engaged in the performance of their duties, assess as part of the expenses of their proceedings, a per diem as to each of said commissioners and their clerks, of four dollars, to be collected as other expenses are, and to be paid to the Register for the use of the city.

City Code, 1893, Art. 45, Sec. 22.

Deposit of papers with Register.

107. The Commissioners for Opening Streets and Sewers, so soon as they shall have completed their work on each sewer, shall deposit all papers and books relating thereto in the office of the City Register.

Ibid., Sec. 23.

City Commissioner to survey route.

108. When the Mayor and City Council shall pass an ordinance for the opening, constructing, enlarging or straightening of any sewer within the limits of the city, the City Commissioner is hereby authorized and required to have surveyed the route of said sewer, and to determine the size the same shall be, and to take charge of and superintend the work of such opening, constructing, enlarging or straightening.

Ibid., Sec. 24.

To advertise for proposals.

109. When it shall have been determined to open, construct, enlarge or straighten any sewer, under the provisions of this ordinance, and when the assessments and survey aforesaid shall have been made, the said City Commissioner shall advertise for thirty days in at least two of the daily newspapers of the city for proposals for the opening, constructing, etc., of such sewer, according to plans and specifications to be prepared by said City Commissioner; and the said City Commissioner shall award the contract for such opening, constructing, etc., to the lowest responsible bidder.

Ibid., Sec. 25.

Contractor to give bond.

110. Before any contract shall be executed under the provisions of the preceding section, the contractor or contractors shall enter into bonds with good and sufficient security, to be approved by the Mayor and Comptroller, in double the amount of the contract price, conditioned for the faithful and efficient performance of the work contracted for.

City Code, 1893, Art. 45, Sec. 26.

Penalty for obstructing sewer.

111. If any person shall willfully stop or obstruct the passage of the water of any sewer, made or which may hereafter be made, he, she or they so offending shall forfeit and pay the sum of one hundred dollars for each and every such offence.

Ibid., Sec. 27.

Unauthorized tapping of sewers.

112. If any person or persons, owner or owners, occupier or occupiers, of any lot within the city of Baltimore, shall tap or open, or cause to be tapped or opened, any of the public sewers in the city, without first obtaining the permission of the City Commissioner and the approval of the Mayor, said person or persons, owner or owners, occupier or occupiers, shall forfeit and

Penalty.

pay the sum of twenty dollars for each and every such offence; and it shall be the duty of the City Commissioner to cause a notice to be served upon such person or persons, owner or owners, occupier or occupiers, directing any of said sewers to be closed when they have been tapped or opened, in the manner prescribed by said notice, and if such person or persons, owner or owners, occupier or occupiers, shall refuse or neglect to comply therewith, he, she or they so refusing or neglecting, shall forfeit and pay the further sum of five dollars for each and every day he, she or they shall continue to refuse or neglect to comply therewith, and shall moreover pay the expenses incurred in case such sewer shall be closed under the direction of the City Commissioner, which said commissioner is hereby authorized to have done in case of such neglect or refusal.

Ibid., Sec. 28.

Permit for private sewers.

113. It shall not be lawful for any person or pesons to construct within the city limits a private sewer, under the streets, lanes or alleys that are paved, without having had and obtained the written permission of the City Commissioner, approved by the Mayor, under a penalty of twenty dollars, and ten dollars for each and every day the same shall remain; and every application for such permission to erect such sewer shall be in writing, signed by the person or persons making the same, and shall name the length desired.

City Code, 1893, *Art.* 45, *Sec.* 29.

Payment to Register.

114. After obtaining permission to construct or make such sewer, and previous to the commencement thereof, the person or persons so applying shall therewith pay to the Register of the City the sum of twenty cents for

each lineal foot of ground mentioned as required for such sewer, under a penalty of twenty dollars for each and every commencement of such sewer without the payment of the sum herein required.

Ibid., Sec. 30.

Gas tar or refuse matter not to be permitted to escape into sewer.

115. It shall not be lawful for the proprietor or proprietors of any gas works in the city of Baltimore, to allow any gas tar, or other similar refuse matter, to escape from their said gas house or gas works, as that the same may thereafter flow into any of the public sewers of the city of Baltimore, and said proprietors shall construct in connection with said gas works, under the supervision of the City Commissioner, such appliances as will in his judgment prevent the flow of said elements into any of said sewers; that any person or corporation offending against any provision of this section shall be subject to a fine of one hundred dollars ($100) for each and every offence.

GRADES, GRADING, PAVING, ETC.

Ord. No. 32, App. Apr. 16, 1895.

To use Trinidad, Bermuda or other asphalt for paving.

116. In all streets required by ordinances heretofore passed, "to be paved with sheet Trinidad Lake asphalt, to be of the best quality of refined Trinidad asphalt obtained from the so-called pitch or asphalt lake of the Island of Trinidad," the Mayor and City Commissioner are hereby authorized and directed to permit the use of what is known as Bermuda asphalt, or any other asphalt which has been found by experience equally as good for paving purposes, and in advertising for proposals for

such repaving shall include the said Bermuda asphalt, or any other asphalt which has been found by experience equally as good for paving purposes, among the kinds of asphalt for which proposals will be accepted.

Ord. No. 135, *App. Oct.* 1, 1894.

To substitute Mosaic pavement for Belgian block pavements.

117. The Mayor and City Commissioner are hereby authorized and directed, when in their judgment it may be for the public interests, to substitute the stone pavement known as the Mosaic pavement for the Belgian block pavements heretofore authorized by any city ordinance to be laid on any of the streets of this city. All ordinances or parts of ordinances inconsistent with the provisions of this ordinance be and the same are hereby repealed.

City Code, 1893, *Art.* 48, *Sec.* 28.

Establishment of grade on application of property owner

118. The City Commissioner may, on application in writing of the owner of any property binding thereon, proceed to establish the permanent grade line or lines of any street, lane or alley, or part thereof, now or hereafter to be marked, located, widened or straightened, or laid out upon the plan of the city, and may also, from time to time, upon similar application, make such changes in the grades of any unpaved streets, lanes or alleys, or parts thereof, as he may deem advisable. He shall keep in his office a record of such establishments or changes, and shall also make a written return of the same to the Register of the City, who shall record the same and preserve the original in the files of his office, and shall also collect the cost of such establishments or changes of grade from the person or persons making the application for the same.

Dashiell *vs.* M. & C. C., 45 Md., 615.

119. The City Commissioner is authorized to establish the permanent grade lines of any street or alley, or part thereof, which is located on Poppleton's Plat, or which is now or may hereafter be marked, located or laid out on the plan of said city, and whether said street or alley has been condemned and opened or not, whenever in his judgment the public interests require the establishment of said grade lines; the cost of said establishment to be paid for out of the appropriations for the City Commissioner's department; and before establishing the grade lines of any street or alley, or part thereof, the City Commissioner shall give five days' notice in three daily papers published in the city of Baltimore that he will appear on the premises on the day named in said notice for the purpose of establishing the said grade lines; and said City Commissioner, upon giving like notice, is hereby authorized to change and re-establish the grade lines of any unpaved street or alley, or part thereof, whenever in his judgment the public interests require such change; the cost of said change to be paid for out of the appropriations for the City Commissioner's department. Whenever the City Commissioner shall, under the provisions of this section, establish or change the grade line of any street or alley in the city of Baltimore, which has been by ordinance directed to be graded and paved, the cost of said establishment shall be added to the cost of the grading and paving of said street or alley, to be paid and collected as the said cost of grading and paving is paid and collected. And whenever the Commissioner of Health shall be of opinion that the public health requires the paving of any private alley, he shall issue a certificate to that effect directed to the

City Code, 1893, *Art.* 48, *Sec.* 29.

Establishment of grade by City Commissioner, in his judgment.

City Commissioner, and thereupon the City Commissioner shall proceed as herein provided, and shall grade and pave the same according to the provisions of this article, so far as the same are applicable, and the cost of establishing said grade and grading and paving said alley shall be assessed on and collected from the owners of the property binding thereon, as provided in this article, and shall be a lien on said property until paid.

City Code. 1893, *Art.* 48, *Sec.* 30.

Grading and paving upon request of prop'ty owners

120. The City Commissioner, with the approbation of the Mayor, shall have full authority to grade, gravel, shell, pave or kerb any street, lane or alley, or part thereof, in the city of Baltimore, whenever the owners of a majority of the feet of ground binding on such street, lane or alley, or part thereof, shall apply for the same.

Ibid., Sec. 31.

Notice in such cases.

121. When the City Commissioner shall receive an application in writing to grade, gravel, shell, pave or kerb any street, lane or alley, or part thereof, as provided in the aforegoing section, it shall be his duty to give ten days' public notice, by advertisement in three newspapers, of the fact of such application, as also of the time and place when he intends to act, for the purpose of determining on such application.

Ibid., Sec. 32.

Notice for proposals.

122. After such application has been made, and the public notice has been given, and the City Commissioner has determined to grade, gravel, shell, pave or kerb any street, lane or alley or part thereof, he shall give ten days' notice in three newspapers that proposals will be received for doing the same; the said proposals shall be

opened in the Mayor's office, and the contract shall be awarded to the lowest responsible bidder.

Dashiell vs. Mayor, &c., 45 Md. 615.

City Code, 1893, *Art.* 48, *Sec.* 33.

Who to be deemed owners

123. A tenant for ninety-nine years, or for ninety-nine years renewable forever, or the executor or administrator of such tenant, or the guardian of an infant owner, or a mortgagee in possession, shall be deemed and taken as an owner for the purposes of any application authorized by this ordinance, and the application of any such person shall bind the property so represented for any assessment or tax made under it.

Ibid., *Sec.* 34.

Preliminary opinion of Counsel or Solicitor that ordinance is valid.

124. Before the City Commissioner shall proceed to execute any ordinance which may be hereafter passed, for the grading, paving or kerbing or the repaving, regrading or rekerbing of any street, or alley, or the construction of any sewer, he shall procure and file in his office the written opinion of the City Counsellor, or the City Solicitor, certifying that all proper and necessary proceedings have been taken to authorize the Mayor and City Council of Baltimore to pass said ordinance, and that said ordinance is legally sufficient for the purpose for which it has been passed, and it shall be the duty of such one of the said law officers of the city as the City Commissioner shall apply to for the purpose to furnish the City Commissioner an opinion, in writing, of the purport above mentioned.

City Code, 1893, *Art.* 48, *Sec.* 34.

Tax upon prop'ty owners.

125. After the contract has been awarded, as provided in Section 122, the City Commissioner shall impose a tax upon the owner or owners of property binding upon such street, lane or alley, or part thereof, equal in

amount to the whole expense of the work, and for collecting the same, being three per centum on the whole cost, except for cross streets; and he shall assess and lay the tax upon the owner or owners of property on each side of said street, lane or alley, or part thereof, of one-half of so much of said street, lane or alley as may be in front of such property, except for paving the portion reserved for sidewalks, being one-fifth of the whole width on each side thereof; and the said tax shall be a lien upon such property.

City Code, 1893, *Art.* 48, *Sec.* 36.

List of persons liable for tax.

126. After the contract has been awarded to grade, gravel, shell, pave or kerb any street, lane or alley, or parts thereof, the City Commissioner shall make a correct list of the names of the persons liable to pay the tax for the same, and the amount to be paid by each person; and he shall deliver to the City Collector a duplicate list of the names of such persons, and the amount to be paid by each, under his hand and seal, with directions for collecting the said tax, which shall be due in sixty days after the completion of the work and its acceptance by the City Commissioner; and it shall be the duty of said City Commissioner, upon the expiration of sixty days after the completion of such work, and its acceptance by him, to issue his warrant upon the City Register for the entire amount due under such contract, less ten per centum thereof, as provided by Section 116 of this article, in favor of such contractor, which, when approved by the Mayor, shall be paid by the Register upon the certificate of the City Comptroller.

127. The City Collector is directed to notify the persons named in the list of the City Commissioner, referred to in Section 126, of the fact that such work has been completed and accepted, and of the date when said tax or assessment therefor will become due; and it shall be the duty of the City Collector, upon the expiration of sixty days after such completion and acceptance, to collect at once, as other city taxes are collected, all assessments due for such work, charging interest at six per cent. from the time the same becomes due. *Ibid., Sec. 37.* Notice to such persons.

128. In all contracts for paving streets a provision shall be incorporated for putting down flag or stepping stones across all streets, lanes or alleys at their intersections with each other; and all flagstones to be hereafter used shall consist of two rows of gneiss, granite or other hard stone, two feet in width, and not less than five inches in thickness, and shall be so laid as that there shall be a space of one foot between said two rows of flagstones, which shall be paved with Belgian blocks, and the City Commissioner shall conform to the requirements of this section in all cases where flagstones shall hereafter be laid. *City Code, 1893, Art. 48, Sec. 38.* Flag-stones.

129. Streets, lanes or alleys, not more than twenty feet in width, hereafter to be paved, may be paved without kerbstones, provided the owners of a majority of the front feet binding thereon shall assent to the same, and the City Commissioner shall deem it advisable so to pave such street, lane or alley. *Ibid., Sec. 39.* What streets to be paved without kerbstones.

130. All streets, lanes or alleys to be paved shall be paved with rubble-stone, or such other stone as the City Commissioner shall consider sufficiently durable, the *Ibid., Sec. 40.* How streets shall be paved.

stone to be not less than sixteen square inches on the surface (except that part between the kerb and gutter, which may be of such smaller size as directed by the City Commissioner), and at least six inches in depth, to be placed upright in a bed of sharp sand or gravel, at least one foot in depth; and the interstices shall be filled up with stone of a size and quality to be prescribed by the City Commissioner; all paving to be rammed twice with rammers weighing fully eighty pounds; gutter-stones to be of good hard stone, not less than ten inches in breadth, one foot long and six inches in depth; the kerbstone to be not less than four and a-half inches in thickness, eighteen inches in depth and four feet in length, and the edge, which is to be fitted to the sidewalk, shall be straight and leveled to the pitch of the footways, and the two ends shall be made straight the whole depth, and the upper edge shall be of equal thickness throughout; provided, that in paving streets, lanes or alleys, not over twenty feet in width, the City Commissioner may, in his discretion, put the gutter in the centre thereof, in which case the kerbstones to be used may be not less than fifteen inches in depth; and all kerbstones shall be set in a bed of sharp sand or gravel, as hereinbefore provided for the paving; and the contractor for paving any street, lane or alley shall give satisfactory security, to be approved by the Mayor, to keep the said pavement in repair for two years after its completion.

City Code, 1893, Art. 48, Sec. 41.

Inspection of material before it is used.

131. The City Commissioner, or his assistants, shall examine all kerb, flag and gutter-stones intended to be used previously to their being laid; and all such stone not conforming to the provisions of this ordinance shall

be condemned and rejected; and he shall also examine all paving before any sand has been thrown on it, and if the same be not laid in a good and substantial manner, and in accordance with the aforegoing provisions, he shall cause the same to be taken up and repaved at the cost of the contractor therefor; and if any contractor shall set any kerb, flag or gutter-stones or cover any paving with sand previously to inspection by the Commissioner or his assistant, he shall forfeit and pay a fine of twenty dollars for each and every offense.

Ibid., Sec. 42.

Mayor may sign for city.

132. The Mayor shall have full power, whenever he may deem it advisable, to sign, on behalf of the city corporation, any petition for the paving, grading or kerbing of streets, lanes or alleys, on which may front any property belonging to the city.

Ibid., Sec. 43.

Expenses of cross streets.

133. Whenever any street, lane or alley has been graded, graveled, shelled, kerbed or paved, in pursuance of this ordinance, the City Register shall pay the expense of the cross streets on the order of the City Commissioner.

City Code, 1893, Art. 48, Sec. 44.

Re-grading, re-paving and re-kerbing.

134. The City Commissioner, with the approbation of the Mayor, shall have full authority to regrade, regravel, reshell, repave or rekerb any street, lane or alley, or part thereof, whenever the owners of a majority of the feet of ground binding on such street, lane or alley, or part thereof, shall apply for the same, and the same modes of procedure, notices, etc., shall be adopted as are hereinbefore prescribed for grading, gravelling, shelling, paving or kerbing streets, lanes or alleys, except that one-third of the whole cost shall be

defrayed by the city, and two-thirds of the whole cost shall be paid by the owners of the property binding thereon; and the proportion to be paid by the property-holders shall be a lien on their respective properties; the whole expense of the work on the cross streets to be defrayed by the city on the order of the City Commissioner.

Ibid., Sec. 45.

Private contract of property owners for grading and paving.

135. The City Commissioner is hereby authorized to permit any street, lane or alley, or part thereof, to be graded, graveled, shelled, paved or kerbed, under the private contract of the owners, whenever all the owners of property binding thereon shall unite in an application in writing to him for such permission; provided that the contractor or owners shall give bond, approved by the Mayor, that the work shall be done in strict accordance with the terms of this ordinance and that he or they will keep it in repair for two years after its completion. Any person or persons who shall proceed to grade, gravel, shell, pave or kerb any street, lane or alley, or part thereof, without first complying with the terms of this section, shall be liable to a fine of one hundred dollars for each and every day that he or they may be engaged in such work; the said fine to be collected as other fines are collected.

City Code, 1893, *Art.* 48, *Sec.* 46.

Bond of contractors.

136. All parties to whom contracts may be awarded for grading, kerbing or paving streets, lanes or alleys in the city of Baltimore shall be required to file, within ten days from the date of such award, a satisfactory bond conditioned for the commencement of the work within fifteen days thereafter, and for its continuous and faithful prosecution except when unavoidably interrupted by weather.

137. Any contractor who shall fail to comply with the terms of the preceding section of this ordinance within the time specified shall forfeit all claim to the contract awarded him, and the proper officers of the city may at once either award a contract for the same work to the next lowest bidder therefor or may re-advertise for proposals and proceed as if no award had been made, as in their judgment may be best for the interests of the city.

Ibid., Sec. 47.

Contract forfeited if bond be not given.

New award.

138. It shall be the duty of the City Comptroller and Register of the City in settling bills against the Mayor and City Council of Baltimore, on all contracts made and entered into for the grading, paving and kerbing of streets, lanes and alleys, to withhold from the contractors for said work ten per centum of the amount of their bills; said amount to be retained for the space of two years from the date of settlement, with interest at the rate of six per centum per annum, in order to protect the corporation against loss by reason of the negligent performance of any contract, and as a guaranty that the contractors will keep the work performed by them in proper condition and repair during the space of two years; provided, that no interest shall be allowed if the contractors fail to keep the work performed by them in proper condition for two years; and provided, that no interest shall be allowed on any amounts withheld prior to the passage of this ordinance.

Ibid., Sec. 48.

Ten per cent. of contract price to be withheld for two years.

139. The City Commissioner, with the approbation of the Mayor, shall consummate all contracts with such person or persons as shall have public work awarded them, pursuant to Article 1, sub-title "City Contracts,"

City Code, 1893, Art. 48, Sec. 49.

City Commissioner to consummate contracts.

whenever such awards have been made under advertisement issued by him for proposals for such public work.

Ibid., Sec. 50.

To regulate footways and gutters.

140. The City Commissioner shall have full power to grade and regulate the footways in all paved streets, lanes and alleys in the city of Baltimore, and all streets, lanes and alleys hereafter to be paved, repaved or repaired, to the grade of five-eights of an inch ascent for every foot in width of such footways, from the top of the kerbstone to the line of the street, lane or alley in which such footway may be paved, repaved or repaired, and to regulate all gutters across such footways, which, unless covered with wood, stone or brick, on a level with the surface of the footways, shall not be deeper than three inches.

Ibid., Sec. 51.

Notice by advertisement to owners of ground.

141. The City Commissioner is hereby authorized and directed, in all cases where the owner or owners of ground fronting on any of the paved streets, lanes or alleys of the city cannot be found at the time said footways are out of order, to cause to be published in three or more of the daily papers having the largest circulation published in the city of Baltimore, at least five times, the locality and number of feet of such lot or lots of ground and notice of his intention to have the footways of such lot or lots paved, repaved or repaired, as the case may be; and in case said lot or lots shall not be paved, repaved or repaired within the time specified in said notice, said Commissioner shall have the footways of such lot or lots paved, repaved or repaired, and shall hand over to the Collector his warrant, to be by him collected as herein provided.

142. The said City Commissioner shall cause notice of said order to be given to the proprietor or proprietors of the lot or lots in front of which a footway is required to be filled up, dug down, paved or repaved, in manner following; that is to say, the said order, or a copy thereof, may be left at any house on such lot, or served personally on the proprietor or proprietors, or his, her or their tenant, agent or guardian, or left at his, her or their residence, or a copy of such order may be published in one or more of the newspapers of the city, not less than five times, notice in any of which modes shall be deemed sufficient.

City Code, 1893, *Art.* 48, *Sec.* 52.

Mode of serving notice.

143. If the proprietor or proprietors of any lot or lots fronting on any paved street, lane or alley shall neglect or refuse to fill up, dig down, pave or repair the footways in front of such lot or lots for the space of ten days after service of a printed or written order, or copy thereof, in manner as aforesaid, to be reckoned in case of publication in a newspaper from the first publication, then the said City Commissioner is authorized and directed to have the said footways filled up, dug down, paved or repaved with brick, in a sufficient and substantial manner, or repaired in such manner as he, the said City Commissioner, shall think proper, and a tax shall be imposed upon each respective lot in front of which the footways shall have been so filled up, dug down, paved or repaired, equal to the expenses of such filling up, digging down, paving or repairing, with an addition thereto of three per cent. for the expense of collecting.

Ibid., Sec. 53.

Failure of owners to obey notice.

Ibid., Sec. 54.

Tax for work on footways, how to be collected.

144. The City Commissioner shall issue his warrant to the Collector, approved by the Mayor, for the collection of said tax, containing the names of the person or persons who are to pay such tax, and the amount to be paid by each, nevertheless correcting any mistake in the said list as often as he may be satisfied of the same, and the said tax shall be due immediately on making out said warrant, which the said City Commissioner may do as soon as he can ascertain the expense incurred, or to be incurred, and such tax shall be a lien upon all such lots.

City Code, 1893, *Art.* 48, *Sec.* 55.

Tax, how to be collected.

145. The said Collector shall immediately collect the same by distress or otherwise, giving sixty days' notice previously to distress, and pay over the same to the Register.

Ibid., Sec. 56.

Anticipation of collection of such tax.

146. The City Commissioner is authorized, with the approbation of the Mayor, to draw on the Register of the City in anticipation of such tax for such sum or sums of money as may be necessary to fill up, dig down, pave or repair any such footways.

Ibid., Sec. 57.

Penalty for failure to pave or repave footways.

147. If any person or persons shall neglect or refuse to fill up, dig down, pave or repave any footway in front of his, her or their lot or lots, when required so to do by the City Commissioner, in the manner hereinbefore provided, such person or persons shall forfeit and pay twenty-five cents per front foot every day such person or persons shall refuse or neglect to fill up, dig down, pave or repave as aforesaid, as a fine for such neglect or refusal; and it shall be the duty of the City

Commissioner, when he issues his warrant for the said tax, to take the necessary steps for enforcing the said fine.

148. It shall be the duty of the City Commissioner, in conjunction with the Marshal of Police, biennially to inspect all the footways, flag and stepping stones within the corporate limits of the city, and cause the same (where required) to be immediately repaved or repaired, in conformity to the provisions of Sections 50, 51, 53, 57, and 61 of this article.

Ibid., Sec. 58.

Biennial inspection of footways, flag and stepping stones.

149. It shall not be lawful for any person or persons to pave any of the footways binding on any of the streets, lanes or alleys of the city of Baltimore with stone, unless the same shall be put down with good and sufficient flagstones, parallel with the kerbstone on said street, lane or alley, under a penalty of one dollar for every front foot.

City Code, 1893, Art. 48, Sec. 59.

Flagstones to be put down.

150. The Mayor is hereby authorized to extend the time of bonds for the paving or repaving the streets, lanes or alleys, upon his being assured by the City Commissioner that the work cannot be completed consistently with the public interests within the time limited in the bonds.

Ibid., Sec. 60.

Extension by Mayor of bonds for paving and repaving.

151. The City Commissioner is authorized to direct and require, by written or printed order, the proprietor or proprietors of any lot or lots fronting on any of the paved streets, lanes or alleys of the city, to fill up or dig down to the proper grade, or to pave or repair the footways in front of such lot or lots, with a good and

Ibid., Sec. 61.

Brick pavements.

sufficient brick pavement, on a bed of good sharp sand, not less than six inches deep, within ten days after notice of such order; the said footways in front of unimproved lots to be paved with good and substantial brick four feet from the kerbstone, and all the thoroughfares or business streets of the city shall be paved to the building line, if thought requisite by the City Commissioner; and in case of refusal or neglect by the proprietor or proprietors of any lot or lots of ground to comply with the requirements of the said Commissioner, the owner or owners of said lot or lots of ground shall be subject to a fine of ten dollars for each and every day such notice or order shall remain uncomplied with, to be recovered as other fines and forfeitures are recoverable.

Penalty.

City Code, 1893, *Art.* 48, *Sec.* 61*a*.

Preliminaries to passage of any ordinance for grading or regrading, shelling or reshelling, graveling or regraveling, paving or repaving, kerbing or rekerbing, any streets, lanes or alleys.

152. Before any ordinance for the grading, shelling, graveling, paving and kerbing, or for regrading, reshelling, regraveling, repaving and rekerbing of any street, lane or alley or part thereof, by the terms of which the whole or any portion of the cost of the work is to be assessed upon the property binding on such street, lane or alley or part thereof, shall be passed by either branch of the City Council, it shall be referred to the Joint Standing Committee on Highways. Before recommending the passage of any such ordinance the said Joint Standing Committee on Highways shall require the chief clerk of the Branch of the City Council in which the said ordinance was introduced, to give ten full days' notice, excluding both the day of publication and the day of the session of the committee, in at least two of the daily papers of the city of Baltimore, of the introduction of said ordinance, and that any and all

persons interested therein will be heard upon any matter relating thereto by the said Joint Standing Committee on Highways at the time and place to be designated in such notice.

153. As soon after the passage of any such ordinance as practicable, it shall be the duty of the City Commissioner to give ten days' notice in two of the daily newspapers, that proposals will be received for doing the entire work, or if the labor is to be done by the day, then for the materials; such proposals to be opened in the Mayor's office and the contract to be awarded by the Mayor, Comptroller and City Commissioner to the lowest responsible bidder, who, if the proposal was to do the entire work, shall enter into a bond satisfactory to them, conditioned for the commencement of the performance of the contract within fifteen days after a notification from the City Commissioner to proceed therewith, and for its continuous and faithful prosecution to completion, except when unavoidably interrupted by weather; if the proposal was to furnish the materials, the labor being done by the day, the bond shall be conditioned for the delivery of the said materials in accordance in all respects with his bid, at such times and in such quantities as the City Commissioner may require; and said bond and contract shall in either event also contain such other provisions as are now or may hereafter be required by the ordinances of the Mayor and City Council; and said officers shall have the power to reject any and all bids, if it be, in their judgment, to the best interest of the city to do so; in case the labor is to be done by the day, then the City Commissioner shall make a careful

Ibid., Sec. 61b.

Advertisement for proposals.

Contract.

Bond of contractor.

estimate of the cost of such work, including the contract price of the materials.

City Code, 1893, *Art.* 48., *Sec.* 61c.

Apportionment of cost.

154. After the contract for the whole work has been awarded, or the cost of the whole work ascertained, as above provided, the City Commissioner shall apportion the whole or such portion of the cost of the work as the ordinance shall require to be paid by the property owners (not including, however, any portion of the cost of the cross streets), together with three per centum thereon for costs and expenses, upon the property binding on each side of said street, lane or alley, or part thereof, in proportion to the frontage of such property thereon.

Ibid., *Sec.* 61*d*.

Advertisement of such apportionment.

155. After the City Commissioner shall have completed his apportionment of the expenses to be assessed upon the property binding on said street, lane or alley, or part thereof, he shall give notice by advertisement, inserted twice a week for two successive weeks in two of the daily newspapers published in the city of Baltimore, that such apportionment has been made and that the statement thereof is on file in his office for the inspection of all persons interested therein; and that he will attend at his said office on a day in such notice to be named, which shall not be less than ten nor more than twenty days after the first publication of such notice, to review any of the matters set forth in said statement to which any person claiming to be interested therein shall, on or before the day so appointed, make objections; and the said City Commissioner shall attend at the time and place so appointed, and consider all such representations and testimony, verbal or in writing, in

relation to any matter in said statement which shall be offered to him, on behalf of any person claiming to be interested therein, and shall make all such correction and alteration in said apportionment and statement as shall be necessary to make the same correct; and he may adjourn, from time to time, if necessary, to give all parties claiming review an opportunity to be heard; and after closing such review, he shall make all such corrections as shall be proper, and shall make a correct list of the property and of the owners or reputed owners thereof, liable to pay the tax or assessment, and the amount to be paid by each piece of property, and shall deliver to the City Register a duplicate list thereof, under his hand, together with such explanatory plat or plats, if any, as may be necessary to designate the property upon which said tax or assessment is levied, which taxes shall be liens on the several pieces of property upon which the same shall respectively be so assessed; and the City Commissioner shall correct any mistake in such list, whenever he may be satisfied that any mistake has been made.

Review and correction of apportionment.

List of assessments to be delivered to City Register.

156. It shall be the duty of the City Register, within five days after the said proceedings shall have been deposited in his office, to notify all persons interested, by an advertisement to be inserted once a week for four successive weeks in two daily newspapers of the city, that the said assessment and explanatory plat or plats have been so placed in his office, and that the parties affected thereby are entitled to appeal therefrom by petition in writing to the Baltimore City Court.

City Code, 1893, *Art.* 48, *Sec.* 61*e*.

Notice by Register.

Ibid., Sec. 61f.

Service of notices on parties assessed or taxed.

157. It shall be the duty of the City Commissioner to serve written or printed notices on each and every party or parties assessed or taxed for the said grading, shelling, graveling, paving and kerbing, or for regrading, reshelling, regraveling, repaving or rekerbing of any street, lane or alley; provided, however, that the service of such notice shall not be so construed as to be one of the prerequisites to the collection of any assessment under any ordinance heretofore passed or hereafter to be passed by the Mayor and City Council of Baltimore.

City Code, 1893, Art. 48, Sec. 61g.

Appeal to Baltimore City Court.

158. Any person or persons who may be dissatisfied with any assessment in which he or they are in any manner interested, may, within thirty days after the return of the above-mentioned duplicate lists of the property and owner or reputed owner thereof, liable to said tax or assessment by the City Commissioner to the City Register, appeal therefrom by petition to the Baltimore City Court, praying said court to review the same; and thereupon the proceedings shall be similar to those in the case of the trial of street appeals; and the said right shall be had to appeal to the Court of Appeals.

Ibid., Sec. 61h.

Proceedings where such ordinances are set aside or repealed.

159. Whenever any ordinance passed by the Mayor and City Council of Baltimore, providing for the grading, shelling, graveling, paving, kerbing, regrading, reshelling, regraveling, repaving or rekerbing of any street, lane or alley in said city, shall, before any of the work has been done under the same, be set aside and declared null and void by any court of competent jurisdiction, to wit: the Baltimore City Court or the

Court of Appeals, in the event of an appeal to that tribunal, or the same shall be repealed by the Mayor and City Council of Baltimore, it shall be the duty of the Comptroller immediately thereafter to draw his warrant on the Register in favor of any and all such persons, or their legal representatives, who may have paid into the city treasury any sum or sums of money on account thereof, which shall be forthwith paid out of any sums in the treasury not otherwise appropriated. The Comptroller shall likewise draw his warrant on the Register for the payment of all expenses which may have been incurred by virtue of any such ordinance in carrying out the provisions thereof, for which the city may be liable under existing circumstances.

City Code, 1893, *Art.* 48, *Sec.* 61*i*.

Proceedings where an appeal is taken or after appeals are decided.

160. If no appeal shall have been prayed, then, within ten days after the time hereinbefore limited therefor or after the return of the decision upon any such appeal or appeals shall have been made to the Register, the said Register shall transfer the said lists received from the City Commissioner to the Collector, who shall thereupon proceed in all respects as he does in cases where persons or property are assessed for benefits for opening, closing, widening or straightening any street, lane or alley.

Ibid., *Sec.* 61*j*.

City Register to pay excess of expenses over assessments.

161. If the total amount of assessments after the revision of the same by the appeals in the preceding section authorized and provided for, shall not be sufficient to defray the expense of grading, shelling, graveling, paving, kerbing, regrading, reshelling, regraveling, repaving or rekerbing, the balance of said expense shall be paid by the City Register on the warrant of the Comptroller, and provided for in the general levy.

Ibid., *Sec.* 61*k*.

Notice to contractor to proceed with his work.

162. As soon as the whole of said assessments shall have been collected, or earlier, if directed by the Mayor, the City Commissioner shall notify the contractor to proceed with the work, or if the same is to be done by day labor, he shall cause the work to be executed; and if, upon the final completion thereof, and the exact ascertainment of the cost, it shall be found that the assessments were greater than necessary, the surplus shall be refunded pro rata to the parties who paid the same, by the warrant of the Comptroller upon the certificate of the City Commissioner.

City Code, 1893, *Art.* 48, *Sec.* 62.

Property owners may select kind of paving.

163. Whenever application shall be made to the City Commissioner to have paved or repaved any street, lane or alley of the city of Baltimore, or whenever said paving or repaving shall be done by virtue of an ordinance of the Mayor and City Council of Baltimore, it shall be optional with the owners of a majority of the front feet of ground binding upon said street, lane or alley, whether the said paving or repaving shall be with stone, or what is known as the Nicholson, or any other improved pavement; and provided further, that when any paving or repaving is to be done in front of any property owned by the corporation of the city of Baltimore, the Mayor, Comptroller and City Commissioner shall decide whether it shall be paved with stone or any improved pavement.

Ord. No. 71, *Sec.* 1, *App. May* 17, '95.

164. There shall be appointed as other city officers are appointed one City Commissioner, who shall attend daily at his office, and there shall also be appointed three Assistant City Commissioners, who shall be under the direction of said City Commissioner, and the entire

time of both Commissioner and assistants shall be devoted personally to the interests of the corporation; and should it be ascertained that any of the aforesaid officers is engaged in or connected with any business or pursuit other than that appertaining to his official duties, it shall be deemed good and sufficient cause for his removal by the Mayor; the term of the City Commissioner and his assistants first appointed under this ordinance shall commence on the first day of June, 1895, and expire on the first of March, 1896, unless removed by the Mayor, and thereafter the City Commissioner and the three assistants shall be appointed biennially in the month of February by the Mayor as other city officers are appointed.

Ibid., Sec. 2.

165. Said Commissioner and Assistant Commissioners before entering upon the duties of their several offices shall severally give bond with security for the faithful performance of their duties, the Commissioner in the penal sum of ten thousand dollars and the assistants in the sum of five thousand dollars each, and there shall be appropriated annually the sum of four thousand dollars for the salary of the City Commissioner, payable monthly, and for the salary of each of the Assistant Commissioners two thousand dollars, payable monthly.

City Code, 1893, Art. 48, Sec. 65.

Duties of Commissioner and Assistant.

166. It shall be the duty of the Assistant City Commissioner to attend to all duties that may be required of him by the City Commissioner, and before any repairs of paved streets are proceeded with, the City Commissioner shall have correctly measured the work to be done, and the clerk to the City Commissioner shall keep a record of such measurement; and the payments shall be made in accordance therewith.

Ibid., Sec. 67.

Their duties.

167. It shall be the duty of said assistants to inspect daily, under the direction of the City Commissioner, all grading, paving, kerbing of streets, lanes or alleys, or repairs of the same that may be in progress, and to measure all repairs that may be made to the same, and to superintend and inspect any other work that the City Commissioner may direct.

Ibid., Sec. 68.

Clerk to City Commissioner.

Salary.

To keep journal.

Bids.

168. There shall be appointed by the City Commissioner a clerk to said Commissioner, whose compensation shall be fifteen hundred dollars a year, payable monthly, and who shall keep a fair journal of all proceedings in the office, as far as they may relate to the condemnation, grading or leveling of the streets, lanes and alleys, and the establishment of boundaries or the making and repairing of sewers, and the building and repairing of bridges, and shall return them, under the hand and seal of the Commissioner, at least once in every three months, to the Register of the city, to be by him recorded and filed in his office; and he shall carefully preserve all bids for work to be done, and all papers belonging to persons having business with the City Commissioner's office.

City Code, 1893, *Art.* 48, *Sec.* 69.

What City Commissioner's department shall include.

169. The department of the City Commissioner shall include the leveling, grading, making, mending or repairing the streets, lanes, alleys and bridges, and contracting with any person for materials for the purpose aforesaid, said contracts having been approved by the Mayor, Register and Comptroller of the city, and with as many workmen as he may judge necessary to be employed from time to time in and about the same.

170. All moneys appropriated for the department of the City Commissioner shall be expended under his direction, and paid by the Register to his order, when approved by the Mayor, on the certificate of the Comptroller. *Ibid., Sec. 70.* To direct expenditures.

171. It shall be the duty of the City Commissioner, annually, to lay before the City Council, in the first week of the annual session, a report of his proceedings, with an abstract of the expenditures of the office, signed by him. *Ibid., Sec. 71.* Annual report.

172. It shall be the duty of the City Commissioner, in making his annual report to the Mayor and City Council, to furnish a statement of the several streets, lanes and alleys, or parts thereof, that have been paved or repaved during the year, together with the names of the contractors, the number of square feet and the sum per square foot paid for paving or repaving, as the case may be, and to state explicitly whether all the provisions of the ordinances relating to paving and repaving, and the duties required of the City Commissioner, have been complied with. *Ibid., Sec. 72.* Statement of work done on streets.

173. All warrants and other documents issued by the City Commissioner, or connected with his department, shall be headed: "City Commissioner's Office." *City Code, 1893, Art. 48, Sec. 73.* Warrants, how to be headed.

174. The City Commissioner shall have full power and authority, and he is hereby authorized and required, when applied to by any person requiring the same, to ascertain and fix the lines of any of the streets, lanes and alleys, or any boundary of any of the lots within *Ibid., Sec. 74.* Lines of streets

said city, and having so fixed and established the same, to put up stones, or landmarks, to be provided for that purpose by the person or persons requiring the same to be done at any place or spot so established by him, and to make return, in writing, of such establishment, with the proper description thereof, under his hand and seal, to the Register, who shall immediately record the same in a book to be provided for that purpose, and shall file and keep the original record or paper, so returned as aforesaid, in his office.

Landmarks.

Ibid., Sec. 75.

Line of street to be established before houses shall be built.

175. No owner or owners of any lot in the city shall dig or lay the foundation of any house in front of any street, lane or alley, or erect any wall or fence fronting thereon, before he, she or they shall have applied to the City Commissioner to make out the true line of such street, lane or alley, unless the corners of the square upon which such improvement is to be made have been duly established, and said Commissioner, so applied to, is hereby authorized and required to see that such foundation, building, house or wall does not and shall not encroach upon the highway, and said Commissioner shall have a right to employ, if he deems it necessary, on every such occasion, the City Surveyor, at the cost of such owner or owners. Every person so neglecting to apply, as aforesaid, shall forfeit and pay five dollars, and a like sum for each and every day such directions are not complied with.

City Code, 1893, Art. 48, Sec. 76.

Appeal to Mayor from decision of City Commissioner.

176. If any person or persons shall think him, her or themselves aggrieved by the determination of the said Commissioner, in fixing the lines of any street, lane or alley, or the boundary of any lot, or in fixing the grade of streets, lanes and alleys, in such case every such

person or persons may, within five days next after such determination, appeal from the same to the Mayor,who shall thereupon issue a warrant summoning five disinterested persons of known ability and discretion, whose compensation shall be two dollars per day each, (the determination of whom, or a majority of whom, shall be final,) to settle all matters of dispute within ten days thereafter, and return their award, in writing, to the Register, to be by him recorded; and before the persons appointed under such warrant shall proceed to the execution of their duties, they shall make oath or affirmation that they will impartially examine the proceedings of the said Commissioner from which no appeal is prayed, and confirm or alter the same as in their opinion is just, without favor or partiality; and the said persons shall receive from the said Commissioner all documents and information which influenced and directed him in said determination, from which the appeal is made.

Ibid., Sec. 77.

Appellant to first file obligation to pay costs of appeal.

177. When any person or persons shall appeal from the determination of the City Commissioner, it shall not be lawful for the Mayor to grant the said appeal and issue the warrant herein mentioned, unless the person or persons so appealing shall enter into an obligation to the Mayor and City Council of Baltimore, and file the same with the Register, binding him, her or themselves to pay to the Mayor and City Council of Baltimore all the expenses which may be incurred in the said appeal, should the same be not sustained.

City Code, 1893, Art. 48, Sec. 78.

City Commissioner to fix such expenses.

178. The City Commissioner, with the approbation of the Mayor, shall fix and ascertain the said expenses, which shall be paid to the Register, and by him to the person or persons employed to decide the appeal.

Ibid., Sec. 79.

Entry for repairing sewers.

179. The City Commissioner shall have full power and authority to enter upon the lots of ground or possessions of any person or persons, or bodies corporate, through which the common sewers now or may hereafter run, to regulate or repair the same.

Ibid., Sec. 80.

Repair of bridges.

180. The City Commissioner is hereby directed whenever any of the bridges within the city stand in need of repairs, to mend and repair the same as he, with the approbation of the Mayor, may think fit.

Ibid., Sec. 81.

Penalty for injury to public work.

181. If any person or persons shall cut, break, dig down, injure or destroy any abutment, bank, mound or other public work erected or constructed by or under the orders of the City Commissioner, every person so offending shall forfeit and pay a sum not exceeding two hundred dollars, and moreover, shall be liable to pay the expenses of repairing the injury.

City Code, 1893, Art. 48, Sec. 83.

Flag and stepping stones.

182. The City Commissioner is authorized to place flag and stepping stones whenever and wherever the convenience and necessity of the public may require the same, upon proper application being made to him.

Ibid., Sec. 84.

Repairing private wharves, streets and alleys.

183. The City Commissioner is hereby authorized, upon the application of the owners of a majority of the front feet on any private wharf, dock, street, lane or alley, to cause the same to be thoroughly repaired and cleaned, and to assess and collect from the owners of the property a tax sufficient to defray the expense of the same in the manner prescribed by law.

184. The City Commissioner is instructed, in all future contracts for furnishing Belgian pavements, to require that the blocks shall be of the following dimensions: Not less than eight inches long, six inches deep, and from three to four inches wide. *Ibid., Sec.* 85. Belgian blocks.

185. The City Commissioner, when engaged in repairing streets, lanes and alleys, shall repair the same over the trenches made by the several gas companies, and collect the cost of the work from the companies over whose pipes the repairs shall have been made. *City Code*, 1893, *Art.* 48, *Sec.* 86. Trenches made by gas companies.

186. The several gas companies, railroad companies, as well as other corporations and individuals, (including all officers and employees of the city), who may now have, or who may hereafter receive permission to dig up or disturb any of the streets, lanes or alleys of the city, for the purpose of laying or relaying railroad tracks, or repairing the same, or constructing wells, ditches, drains, sewers, tunnels, laying pipes of any kind, or repairing the same, shall be, and they are hereby, required to take the proper measures to insure the safety of passing vehicles and pedestrians from loss of life or injury to person or property, by the erection of a fence or barrier by day, and in addition thereto, by displaying one or more lanterns at night, at the portion or portions left open, and also at every street crossing on the line of the work where the same may be left open, and upon a failure so to do, such corporations, companies or individuals, (including all officers and employees of the city), shall suffer a fine or penalty of not less than twenty dollars, nor more than fifty dollars for each and every offence, to be collected as *Ibid., Sec.* 87. Digging up, etc., streets, etc. How safety of passing vehicles and pedestrians insured. Penalty.

other fines and penalties are now collected in the city of Baltimore. Whenever any piles of bricks, stones, lumber or other building material shall be left in any of the streets, lanes or alleys of the city, they shall during the night be designated by displaying a lighted lamp or lantern at such part of the same as to be easily observed by persons passing along the street; and any person or persons, or body corporate, who may violate the provisions of this section, shall forfeit and pay a fine of not less than five nor more than ten dollars for each and every offence, to be recovered as other fines and penalties are recoverable.

Lamps to be placed on piles of brick, lumber, etc.

City Code, 1893, *Art.* 48, *Sec.* 88.

Filling up of excavations.

187. Any person or persons or corporation who shall dig up the streets, lanes or alleys of the city of Baltimore, for the purpose of laying pipe or any other purpose, shall return the dirt removed from such excavation, and in replacing the same, shall use a rammar or such other contrivance as shall make the ground where such excavations are made sufficiently solid so as not to sink after having been paved. Any person or persons, or corporation violating the provisions of this section, shall forfeit and pay a fine of ten dollars for each and every offence; such fine to be recovered as other fines for the violation of city ordinances are recovered; and in addition to said fine said person or persons or corporation shall immediately proceed to comply with the provisions of this ordinance.

City Code, 1893, *Art.* 48, *Sec.* 89.

Stamp on gutter plates.

188. The City Commissioner is authorized and directed to have stamped on all gutter-plates, the weight of iron contained therein furnished by contractors to the city of Baltimore.

189. The Chesapeake and Potomac Telephone Company, of Baltimore city, and the Chesapeake and Potomac Telephone Company acting separately, or in conjunction, are respectively authorized to lay their or their respective telephone wires intended to be used in connection with the Telephone Exchange to be established in the building belonging to the Chesapeake and Potomac Telephone Company, at the corner of St. Paul street and Bank lane, in the city of Baltimore, in cables, laid in suitable conduits under the surface of the streets, alleys or highways in said city, now traversed, or to be so traversed by their said respective wires, with the necessary man-holes for affording access to said cables. Such conduits and man-holes shall be constructed in such manner as not to injure any vault, sewer, water pipe, or gas pipe, and such conduits and man-holes shall be constructed by either or both of said companies as parts of one system, at their or their respective cost and expense, and said companies so acting separately or jointly in constructing said system of underground wires shall have power to make the necessary house-connections in localities where the same may be required, in such manner as may be best adapted to the location by means of any wire or wires from such cable or cables; provided, however, that the said two companies, if acting together, shall have and possess the powers and privileges only which might have been exercised by one of said companies if acting alone under this ordinance.

City Code, 1893, Art. 48, Sec. 90.

Telephone wires to be laid in conduits.

190. Nothing contained in Sections 90-93 shall be construed to grant unto either or both of said telephone companies the exclusive right to lay underground wire cables within the limits of the city of Baltimore, and

Ibid., Sec. 91.

No exclusive rights granted.

the rights granted by this ordinance shall cease and determine unless three miles of the underground conduits provided for by this ordinance are constructed within two years from the date of its approval, and after said two years, and as rapidly as said conduits may be constructed, and said cables are laid therein, all poles belonging to, or under the control of either of said companies, standing upon any street or thoroughfare in this city, along which any such conduit is constructed and cable laid, shall be removed, and shall not be replaced, except in so far as such existing pole or poles now standing, or hereafter to be maintained or erected by such companies or company, are necessary to be maintained or erected by them or it, for the purpose of making distribution of and forming connections with any wire or wires forming part or parts of any such cables so laid in a conduit with the building or buildings or place or places intended to be connected with such wire or wires from such cable.

Ibid., Sec. 92.

Payment for grant of privileges.

191. Said companies shall, in consideration of the rights and privileges granted to them by this ordinance before constructing any portion of the conduit or conduits hereinbefore authorized, enter into an agreement in a form to be approved by the Mayor of the city of Baltimore, and with sufficient security, certified by the Comptroller and approved by the Mayor, to pay annually to the Mayor and City Council of Baltimore, thirty cents for each lineal yard of the first four miles in aggregate lineal length of conduit or conduits, constructed under the provisions of this ordinance, and twenty cents per lineal yard for each succeeding mile or fraction of a mile of the aggregate lineal length of such

conduit or conduits exceeding such aggregate lineal length of four miles; provided, however, that the annual payment so to be made in any year, accounting from the date of the approval of this ordinance, shall not be less than the sum of three thousand dollars, and shall also, before constructing any portion of such conduit or conduits, file with the City Commissioner a plan showing the location and character of the portion or portions of the conduit or conduits next proposed to be constructed; and every such conduit or part thereof shall be constructed under the supervision of the said City Commissioner; and all paving which may be temporarily removed by the said companies in the course of the construction of any conduit or conduits authorized by Section 189, shall be restored or replaced, under the direction and superintendence of the City Commissioner, by the companies or company constructing said conduit or conduits, and at their or its expense, in a manner satisfactory to said Commissioner.

City Code, 1893, *Art.* 48, *Sec.* 93.

Cable for use of police and fire-alarm wires.

192. In every under-ground conduit constructed under the provisions of this ordinance space shall be provided, if required, free of cost or rent, for the laying therein by the Fire Commissioners of the city of Baltimore of a cable for the exclusive and official use only of the police and fire-alarm telegraph and police and patrol wires.

Ibid., *Sec.* 94.

Bond.

193. The said companies shall, before exercising any privileges under Sections 90–93, enter into a bond in the sum of ten thousand dollars, with good and sufficient securities to be approved by the Mayor and Comptroller, conditioned that the company or companies

exercising the privileges granted by this ordinance will faithfully perform the obligations imposed upon it or them, respectively, thereby.

PERMITS FOR DIGGING UP STREETS.

City Code, 1893, *Art.* 48, *Sec.* 106.

Unpaved streets.

194. No carter or other person shall dig, remove or carry away from or out of any of the unpaved streets, lanes or alleys of the city, any dirt, earth, sand or gravel, without a special license first had and obtained from the City Commissioner, with the approbation of the Mayor, for that purpose, specifying the time when and place from which the same is to be removed, under the penalty of one dollar for every load of dirt, earth, sand or gravel so removed.

Penalty.

Ibid., *Sec.* 107.

Paved streets.

195. No person or persons, corporation or corporations, shall dig up, tear up or uncover any of the streets, lanes or alleys of this city, or any part thereof, or remove therefrom any of the stones, bricks, blocks, cement or other material with which the same may be paved, in whole or in part, without having first obtained a permit therefor from the City Commissioner, approved by the Mayor.

City Code, 1893, *Art.* 48, *Sec.* 108.

Applications for permits.

196. No such permit as is provided for in the preceding section shall be issued or granted at any time, unless the applicant or applicants seeking the same shall apply therefor in writing, and shall in such application consent and agree that the regrading and repaving of such portion of any street, lane or alley as may be torn up or otherwise disturbed under such permits, and any and all such other work as may be thereby necessary to

restore the said street to a proper condition, shall be done by the City Commissioner, at the expense of said applicant; the paving to be done at the cost of paving or repaving to the city for the same kind of pavement.

197. Any person violating any of the provisions of the two preceding sections shall be subject to a fine of twenty dollars for each day the same shall continue; said fines to be collected as other fines are collected for the violation of city ordinances.

Ibid., Sec. 109.

Penalty.

198. No person or persons shall make, dig or throw up any drain, trench, gully, gutter or canal, in, through, along or across any of the streets, lanes or alleys of the city, without a special license or permission in writing for that purpose first had and obtained from the City Commissioner, specifying the time when and place where the same is to be done, and such conditions as he may think necessary, under penalty of ten dollars, if the same shall not be done in strict accordance with said permission, and the street, lane or alley kept in good repair as therein required, and the like sum weekly until the same be removed, or permission received and complied with as above required.

Ibid., Sec. 110.

Trenches, drains and gulleys.

199. Any person or corporation upon whom the obligation may be imposed by any law or ordinance to keep in repair any part of any of the streets, lanes or alleys within the city, or to replace and restore in proper order and condition the bed or surface of any street, lane or alley, or any portion thereof which such person or corporation may, for any purpose, be licensed or permitted to dig up, displace or remove, and who shall

Ibid., Sec. 111.

Penalty for failing to keep in repair or replace.

refuse or neglect to make such repairs, replacement or restoration, within three days after having been notified in writing by the City Commissioner to make said repairs, or to replace and restore in proper order and condition the bed or surface of such street, lane or alley, shall forfeit and pay the sum of twenty dollars for each and every case of such refusal or neglect; said fines to be collected as other fines and penalties for the violation of city ordinances are collected.

City Code, 1893, *Art.* 48, *Sec.* 112.

City Commissioner may make repairs at cost of party bound therefor.

200. Whenever any person or corporation whose duty it shall be to keep in repair any part of any of the streets, lanes or alleys within the city or to replace and restore in proper order and condition the bed or surface of any street, lane or alley which such person or corporation may be licensed or permitted to dig up, displace or remove, shall neglect said duty after being notified in writing by the City Commissioner, as provided in the preceding section, and it shall appear to said Commissioner that the condition of such street, lane or alley is attended with possible danger to persons passing over or using the same, it shall be the duty of said Commissioner forthwith to make such repairs as may be necessary, and when completed to collect the cost of making the same from the person or corporation through whose default or neglect the same may become necessary, and for said purpose he may, with the approval of the Mayor, cause suit to be instituted in the name of the Mayor and City Council of Baltimore, against such person or corporation.

VAULTS, AREAS AND CELLARS.

City Code, 1893, *Art.* 48, *Sec.* 124.

Police to notify City Commissioner of construction of vaults and areas.

201. It shall be the duty of the police officers to give information to the Mayor and City Commissioner, whenever any vault or area is being constructed in any of the streets of the city, within their respective districts.

Ibid., Sec. 125.

Vaults to be of stone or brick.

202. All such vaults shall be constructed of stone or brick, agreeably to the directions of the City Commissioner, under the penalty of twenty dollars for each and every offence, and the further penalty of twenty dollars during each and every month, until the same shall be constructed according to the provisions of this sub-title of this article, to be paid by the person or persons who may cause or direct the same to be constructed.

Ibid., Sec. 126.

Iron gates, how to be constructed.

203. The iron gates which shall be used to cover the apertures of vaults which are placed in the footways in the several streets, lanes or alleys of the city, shall be sunk not less than three inches below the surface of said foot pavements, and the same shall be securely covered by a wooden or stone frame, which shall be level with the surface of the said foot pavement, so as not to create any obstruction to walking or other proper use of said footways; and the said gates, so covered with wood or stone as aforesaid, shall be so constructed as to be fastened inwardly, and the wooden or stone frame or covering securely fastened to the iron grates, so that the same may not come apart; and if any owner or occupier of property shall hereafter cause or permit any grate to be placed upon the foot pavement attached to his or her premises not constructed conformably to

the provisions of this section, he, she or they shall incur a penalty of ten dollars, and one dollar for each day it shall remain after notice given by the City Commissioner to alter, change or remove the same; provided, that the provisions of this section shall only apply to openings to vaults which project or are placed more than three feet from the building line of any street.

City Code, 1893. *Art.* 48, *Sec.* 127.

Precautions against accident.

204. The owner or occupant of any house or lot before which any vault or opening for cellar doors, areas or steps is being constructed shall fence off the pavement on the right and left of the improvement, and during the whole of every night whilst such vault or opening is uncovered or unenclosed cause a lighted lamp or lantern to be placed at some convenient spot, so as to cast its light upon such vault or opening, under the penalty of five dollars for each and every night or part of a night during which such lamp or lantern shall be neglected to be placed, kept or lighted as aforesaid.

Ibid., *Sec.* 128.

Apertures to vaults to be enclosed whilst left open.

205. No person shall remove or cause to be removed any grate or covering to the opening or aperture of any vault in any of the streets of the city, without enclosing such aperture duing the time such grate or covering is removed, with a strong box or kerb, at least twelve inches high, and firmly securing the same, under a penalty of ten dollars for each and every offence.

Ibid., *Sec.* 139.

Obstructions in streets.

206. If any person or persons shall place or cause to be placed within the streets, lanes or alleys of the city, any dirt, lumber or other obstruction to the free egress or ingress through such street, lane or alley, and shall permit the same to remain more than twenty-four hours

after being notified by the City Commissioner or any of the police officers to remove the same, he, she or they shall be subject to a fine of five dollars for each day it shall so remain; and the City Commissioner is hereby authorized and empowered to remove, or caused to be removed, all manner of obstructions to the passage through the streets, lanes or alleys which he shall find remaining in the same an unnecessary length of time; and all expenses incurred shall be chargeable to the person or persons who shall violate the provisions of this section.

Duty of City Commissioner.

207. If any person shall cause any horse, mare or gelding to stand in any of the streets, lanes or alleys within the city limits whilst he is shoeing or preparing to shoe such horse, mare or gelding, or shall make any fire in any street, lane or alley, every such person shall forfeit and pay a sum not exceeding five dollars; provided, that it shall and may be lawful for any person to kindle and use a fire made of charcoal or coke on any street, lane or alley in the city for the purpose of preparing any article to be used in the construction of any house, cellar or pavement, if not more than one-fourth of the width of the street, lane or alley in front of the property to be improved be occupied, and for no longer time than six days at any one place; and provided further, that the consent of the persons occupying all the property on the square on which the improvement is to be made be first filed in the office of the City Commissioner.

Ibid., Sec. 140.

Horses not to be shod or fires made in streets.

Proviso.

208. If any person or persons shall wilfully break, pull down, hurt or destory any tree or trees, or enclosure around the same, which are now or may hereafter be

Ibid., Sec. 142.

Injury and destruction of trees.

planted near the kerb or gutter of any of the streets, lanes or alleys of the city, or in any other public grounds within the city, such person or persons so offending shall forfeit and pay five dollars for every such offence; provided always, that nothing herein contained shall be so construed as to prevent the City Commissioner from removing any tree or trees, or part thereof, which he may deem so situated as to obstruct the carriage or footways, or injure any of the public pumps, or any proprietor of a lot or lots from cuttlng down any tree or trees near the gutter in front of his or her lot or lots.

City Code, 1893, *Art.* 48, *Sec.* 157*b*.

Certain articles not to be kept upon streets, etc.

209. It shall not be lawful for any person or persons to have, keep or maintain upon any street, lane, alley or other public place within the limits of this city any box, bin, barrel or other receptacle for the reception of garbage, ashes, litter or rubbish of any sort, except that in order to facilitate the removal of garbage and ashes, it shall be lawful for the occupant of any premises to place daily upon the sidewalk in the rear of such premises, or in front of premises to which there is no rear entrance accessible to the drivers of the city garbage carts, suitable boxes or vessels as by ordinance prescribed for garbage and ashes, and to allow the same to remain till emptied by the drivers of the city garbage carts; provided that such boxes or other vessels shall in all cases be removed from the sidewalk within one hour after they shall have been emptied by the drivers of the city garbage carts.

Boxes for garbage.

Ibid., *Sec.* 157*c*.

Sidewalks to be kept unobstructed.

210. Every occupant of any premises within the city, and the owner of premises that may be vacant, shall be required to keep the sidewalk bounding upon such

premises and the gutters belonging thereto open and free from obstructions.

City Code, 1893, *Art.* 48, *Sec.* 157*d*.

Penalty for violation of three preceeding sections.

211. If any of the substances mentioned in Section 157*a* are thrown or carried from any house, warehouse, shop, cellar, yard or other place, and left in any of the places specified in said section, the occupant of such house, warehouse, shop, cellar, yard or other premises, or owner thereof, if vacant, and the person who actually threw, carried or left the same, or who caused the same to be thrown, carried or left, shall severally be held liable for a violation of this ordinance; and every wilful violation of this ordinance shall be punished by a fine of not less than two dollars, nor more than ten dollars, or by imprisonment in the city jail for not more than five days.

Ibid., *Sec.* 157*e*.

Streets not to be dug up; poles, etc., not to be planted without permit from City Commissioner.

212. No person or persons, corporation or corporations, shall under any pretext or any cause whatever, dig up, tear up, or uncover any of the streets, lanes or alleys of the city, or any part thereof, or remove therefrom any of the stones, bricks, blocks, cement or other material with which the same may be paved in whole or in part; or plant, erect or set up, on any portion of the bed of such streets, alleys or lanes, or any portion of the sidewalks thereof, any hitching posts, telegraph, telephone, electric light or other pole or poles of any description whatsoever without first having obtained a written permit therefor from the City Commissioner, approved by the Mayor.

Ibid., *Sec.* 157*f*.

Regulations as to issuing of such permit.

213. No such permit as is provided for in the proceeding section shall be issued or granted at any time unless the applicant or applicants seeking the same

shall apply therefor in writing, and shall in such application consent and agree that the regrading and repaving of such portion of any street, lane or alley as may be torn up or otherwise disturbed under such permits; and any and all such other work as may, in the judgment of the City Commissioner be rendered necessary to restore the said street, lane or alley to a proper condondition, shall be done by the City Commissioner at the expense of said applicant; and if said application is for a permit to erect one or more hitching posts or telegraph, telephone, electric light or other poles of any description whatsoever, the person or persons, corporation or corporations, applying for the same, shall in said application further consent and agree that such hitching posts, telegraph, telephone, electric light or other pole or poles shall be placed in such position or positions as the City Commissioner may designate, and that the location of such hitching post or telegraph, telephone, electric light or other pole or poles, shall be changed at any future time to such other position or positions as the Mayor for the time being shall designate; and that if the Mayor and City Commissioner for the time being, shall at any future time order said hitching posts, telegraph, telephone, electric light or other pole or poles, or any of them, to be taken down, that the same shall be removed within three days, and that the cost of any change in location or of taking down and removing said hitching post, telegraph, telephone, electric light or other pole or poles, including the cost of any repairing of the bed of the street thereby rendered necessary, shall be borne by the applicant or applicants for the said permits.

214. If any person or persons, corporation or corporations, shall violate any of the provisions of the two preceeding sections, either directly or through any employee, servant or agent, he or they shall be subject to a fine of not less than twenty nor more than fifty dollars for each day the same shall continue, said fines to be collected as other fines are collected.

City Code, 1893, *Art.* 48, *Sec.* 157*g*.

Penalty for violation of two preceding sections.

Grades of Streets.

215. The grades and lines of all streets hereafter to be opened or established in the Twenty-first and Twenty-second wards of Baltimore city shall be made to conform to the requirements of the Topographical Survey, now in course of preparation, under the provision of an ordinance of the Mayor and City Council of Baltimore.

Ord. No. 175. *App. Apr.* 28, 1894.

BRUSH ELECTRIC LIGHT COMPANY.

216. The Brush Electric Light Company of Baltimore City, a body corporate, duly incorporated according to law, its successors and assigns, is authorized to construct, operate and erect lines of wires for illuminating purposes, and for all other purposes to which electricity or magnetism may be applied, above ground, or lay them under ground, or in pipes or otherwise, over, under and along the streets, squares, lanes, alleys, bridges and waters of the city of Baltimore, and to construct, maintain, repair and remove, from to time, all such lines and pipes; provided, however, that in the construction, maintenance, removal and repair thereof, the said corporation, its successors and assigns, shall be at all times subject to, and be entitled to the benefit of all

City Code, 1893, *Art.* 48, *Sec.* 182.

May erect and operate lines of wires.

Conditions.

the ordinances of the said city, providing for the condemnation, construction, maintenance and repair of telegraph poles and lines therein; provided, always, that the said company shall not in any manner injure or displace any of the pipes laid, or to be laid, for the purpose of supplying water to said city, or any of the pipes then or thereafter to be laid by any company incorporated under the laws of this State with power to lay pipes in said city; and provided also, that the said company shall immediately after erecting or removing any poles, or laying, repairing or removing any wires or pipes aforesaid, and always within two days after being thereto required by the Mayor or City Commissioner, cause to be filled up, repaired and repaved in like good order, at the expense of said company, every such street, or part of a street, square, lane, alley or bridge, as the company may find it necessary to dig, impair or unpave, for the purpose of laying, altering, repairing, renewing or removing any pole or poles, wire, pipe or pipes aforesaid; and if the said company shall omit or neglect to fill up, repair or repave any such street, square, lane, alley or bridge, or any part thereof, as aforesaid, for the space of two days after the time which shall be limited by the Mayor or City Commissioner in his notice, the said company shall for every such omission or neglect, forfeit and pay to the use of said city, such sum not exceeding twenty dollars, as any justice of the peace for said city shall adjudge, on a warrant to be issued in the name of the Mayor and City Council of Baltimore against the president and directors of the said company; and also the sum of five dollars, to be recovered as aforesaid, for every day the said company shall neglect or refuse so

to do, after issuing the first warrant for the recovery of the penalty of twenty dollars, or less, as aforesaid.

City Code, 1893, Art. 48, Sec. 183.

Approval of City Commissioner.

217. The refilling, repairing and repaving, required to be done by the provisions of the preceding section, shall be subject to the approval of the City Commissioner; and if the said company shall refuse or neglect, after five days' notice from him, to do said refilling, repairing and repaving, in such manner as he may approve, he may cause the same to be done, and recover the expense thereof from said company by suit in the name of the Mayor and City Council of Baltimore against said company.

SURVEYOR.

City Code, 1893, Art. 49, Sec. 2.

Duties.

218. Whenever the City Commissioner shall, in pursuance of the several duties required to be performed by him, under the provisions of the several ordinances of the city of Baltimore, contained in Article XLVIII, Streets and City Commissioner, or of any other ordinance which may hereafter be passed, regulating the duties of said City Commissioner, require the services of a surveyor, it shall be the duty of the said City Surveyor to do and perform all such acts appertaining to the business of a surveyor as may be reasonably required of him by the said City Commissioner, for which services he shall be entitled to and shall receive compensation as fixed in the table of rates contained in the fifth section hereof, and which compensation shall be collected in the manner now provided for in the several ordinances hereinbefore referred to, or which may hereafter be passed by the Mayor and City Council of Baltimore.

City Code, 1893, Art. 49, Sec. 5.

219. The compensation for the duties performed by the City Surveyor under this article shall be as fixed by the following table, viz:

Fees and charges.

For surveying and establishing the lines of a lot, eight dollars.

For a plat of the same, three dollars.

For surveying and establishing from two to ten adjoining lots, each five dollars.

For a plat of the same, each two dollars.

For giving the line of a street in front of a building, five dollars.

For establishing the grade of any street, one square, five dollars.

For all over one square, each three dollars.

For profile of same, for each square, five dollars.

For paving plat, each square, five dollars.

For condemnation and benefit plats furnished to the Commissioners for Opening Streets, the rates shall be as follows:

For a distance as shown on the benefit plat not exceeding two squares, for every front foot ordered, five cents.

For a distance, as above, more than two and not exceeding four squares, for every front foot ordered, three cents.

For a distance, as above, exceeding four squares, for every front foot ordered, two cents.

For the damage plat he shall be allowed for his own services ten dollars per day while engaged on it, and also an additional allowance of two dollars and fifty cents per day for each assistant; provided, that in opening any street designated on Poppleton's plat, there shall not be allowed (on said damage plat) more than one day to each square to the Surveyor and his assistants, unless the bed of the street to be opened be obstructed by improvements.

220. All records, memoranda, plats and field notes herein mentioned shall at all times be subject to the inspection and examination of the Mayor, the members of the City Council, the City Commissioner, the Commissioners for Opening Streets, the Counselor, Solicitor and Examiner of Titles, the Comptroller and the Register of the City; but every other person, after the expiration of twelve months from the time of the deposit of any record, memoranda or plats in said office for such inspection, shall pay to the City Surveyor, for the use of the city, the sum of twelve and a half cents; and it shall be the duty of the City Surveyor to furnish a copy of any record in his office to any person requiring the same, on the payment of ten cents for every one hundred words embraced in such copy.

City Code, 1893, *Art.* 49, *Sec.* 7.

Inspection of his records.

TAXES.

221. Whenever any tax that has been assesed by the City Commissioner for paving any street, lane or alley, or any part thereof, in the city of Baltimore, shall have remained unpaid for the space of four months after said paving has been completed, for which the assessment was made, the collector is hereby authorized and required to proceed to enforce payment thereof as herein provided for the collection of taxes in arrears on real estate.

City Code, 1893, *Art.* 50, *Sec.* 53.

Payment of paving tax.

222. In all cases where a tax shall be assessed for paving or repaving any street, lane or alley as aforesaid, which it is hereby made the duty of the collector to collect, the City Commissioner is hereby authorized to have a plat made out of the property, giving the

City Code, 1893, *Art.* 50, *Sec.* 55.

Plats to be made by City Commissioner.

width of the front, depth and full description of each lot of ground on which said tax has been assessed, which tax shall be a lien on the property taking precedence of all other liens, except for other taxes previously assessed and binding upon each and all interests in said property; which taxes the said collector is hereby directed to collect, as herein provided for the collection of taxes in arrears on real estate.

City Code. 1893, *Art.* 50, *Sec.* 57.

Deed to purchasers.

223. The collector on receiving the full amount of purchase money for sales of property made in consequence of opening streets, lanes or alleys as aforesaid, shall execute a deed of conveyance in favor of the purchaser or purchasers, which deed shall convey a fee simple or leasehold estate, as the case may be, in and to such property; and after deducting the cost of sale, advertising and other necessary expenses, he shall pay the balance of the purchase money to the Register of the City, who shall pay over the same to the person or persons entitled thereto, first deducting the sum, if any, assessed as benefits to said person or persons; the payment to be made on demand without interest.

Ibid., *Sec.* 58.

Collector to send out paving tax bills.

224. After the City Commissioner shall have issued his warrant approved by the Mayor, to the collector, for the collection of any tax or assessment for the paving or repairing of footways, which tax shall be a lien on the lot or lots in front of which said paving or repairs have been made, and shall have also delivered to the collector a list of the names of the person or persons by whom the taxes or assessments are due, with the amount due by each, it shall be the duty of said collector, and he is hereby required to deliver bills of

the same to said person or persons, with a notice that if not paid within thirty days thereafter, he will proceed to collect the same in like manner as herein provided for taxes in arrears on real estate.

City Code, 1893, *Art.* 50, *Sec.* 74.

Owners of telegraph, telephone, electric or other such poles to file list with City Commissioner.

225. All persons and corporations having, using or maintaining any telegraph, telephone, electric light or other poles, in any of the streets, lane or alleys of the city of Baltimore, shall, annually between the fifteenth day of May and the first day of June, in each and every year, file with the City Commissioner a list of all such poles so used, possessed or maintained by them, giving the accurate locations of each of such poles, and shall also have stamped, painted or printed, in legible characters, their name as owner upon each of such poles.

City Code, 1893, *Art.* 50, *Sec.* 77.

Removal of poles not listed.

Default.

226. All telegraph, telephone, electric light and other poles in any of the streets, lanes and alleys of the city of Baltimore, (except trolley poles used exclusively for stringing thereon wires for use in the propulsion of street passenger cars), which have not been included in any list filed in accordance with the first section of this ordinance, with the City Commissioner, or upon which the name of the owner is not legibly painted, printed or stamped, or upon which the above-mentioned license fee has not been paid, or on which the above prescribed tin plate is not securely fastened in some conspicuous place, on or before the fifteenth day of June in any year, shall be forthwith removed by its owner, and in default thereof may be cut or taken down by the City Commissioner and removed from the streets by him, in addition to the said owner incurring the penalties provided in the next succeeding section.

City Code, 1893, *Art.* 50, *Sec.* 78.

Failure to file list of poles with City Commissioner.

Penalties.

227. Any person or persons, or corporation using, possessing or maintaining any telegraph, telephone, electric light or other poles in any of the streets, lanes and alleys of the city of Baltimore, who shall fail to file with the City Commissioner, as prescribed in Section 74, a list of said poles, or who shall fail to have stamped, printed or painted in legible characters, his or its name as owner upon each of such poles, as prescribed in said Section 74, by the fifteenth day of June of each and every year; or who, if belonging to the classes required to pay a fee of two dollars on each pole by Section 75, shall fail to pay the said fee or shall fail to have the tin plate therein prescribed securely fastened in some conspicuous place by the said fifteenth day of June of each and every year, upon all such telegraph, telephone, electric light or other poles so used, possessed or maintained by him or them, shall forfeit and pay a fine of ten dollars for each pole upon which he, they or it are so in default; such fine to be collected as other fines and penalties for the violation of city ordinances are collected.

Ord. No. 89, *App. May* 18, 1894.

Not to apply to city poles.

228. Nothing contained in the sections of this article, from that numbered 225 to that numbered 227, inclusive, shall be deemed or held to apply to any pole bearing a public lamp or lamps used to light any street, lane or alley, or other public place in the city.

WATER.

City Code, 1893, *Art.* 54, *Sec.* 29.

Upon default of WaterBoard, City Commissioner shall repair and repave.

229. In all cases where the Water Board or any of their agents or workmen shall take up the pavement for the purpose aforesaid, and shall not repave the same in a reasonable time, at the discretion of the City Commissioner, the said Commissioner shall give notice to

the said Board to have same immediately repaired; and if the Board refuse or neglect to have it done, the City Commissioner shall proceed to have it repaired at the expense of said Water Board.

City Code. 1893, *Art.* 54, *Sec.* 30.

Permits to remove pavements necessary.

230. It shall not be lawful for any person or persons, company or corporation, to remove any of the stone or brick pavements of the city for the introduction of water-pipes without permission from the Water Board, and the replacing of said pavement to be under the superintendence of the City Commissioner, at the expense of the party removing the same; and any person or persons, company or corporation, who shall violate this section, shall forfeit and pay a fine of twenty dollars, to be applied as provided in Section 45 of Article 54 of the City Code.

Ibid., Sec. 31.

Water Board to repave pavements dug up.

231. In all instances where the pavement of any street, lane or alley, which may have been heretofore or may hereafter be opened or dug up by said Water Board, has not, in the judgment of the City Commissioner, been well and effectually repaved, the said Water Board, being informed thereof in writing by the said Commissioner, shall forthwith proceed well and effectually to repave the same, and the expenses thereof shall be chargeable to and paid by the said Board.

Ibid., Sec. 32.

Water stops of private pipes in streets to be marked.

232. Whenever it becomes necessary to pave, repave or repair any street, lane or alley in the city of Baltimore, it shall be the duty of the paver or contractor to distinctly mark by three bricks on edge, or iron box, all water-stops of private water-pipes leading from the city's main pipes to the property opposite to which the

Penalty.

stop may be found. He or they so offending shall forfeit and pay for each and every neglect the sum of ten dollars, to be paid to the Register for the use of the Water Department.

City Code, 1893, *Art.* 54, *Sec.* 33.

Water stop covered by pavements to be marked.

233. It shall be the duty of the owners of property, plumbers, bricklayers, or other person or persons, in paving or repaving the side walks, yards or alleys, to distinctly mark by three bricks on edge, or iron box, the water-stops that may be covered by said paving or repaving, under a penalty of ten dollars for each and every neglect of the same; to be paid to the Register for the use of the Water Department.

ADDENDA.

Ordinance No. 36, approved April 20, 1895, authorizes the construction of railway tracks in certain portions of Edmondson avenue, Calverton road, Franklin street, Monroe street and Saratoga street, to a point east of Fremont street and west of Howard street, by the "Edmondson Avenue, Catonsville and Ellicott City Electric Railway Company" and "The Baltimore Traction Company."

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STATUTES, ORDINANCES

AND

RESOLUTIONS

OF THE

WATER BOARD

WITH DECISIONS OF THE COURT OF APPEALS RELATING TO THE WATER DEPARTMENT, AND ACTS AND ORDINANCES UNDER WHICH WATER STOCKS ARE ISSUED.

PUBLISHED BY AUTHORITY OF THE WATER BOARD.

COMPILED BY

CONWAY W. SAMS.

STATUTES RELATING TO THE INTRODUCTION OF WATER INTO THE CITY.

ORDINANCES RELATING TO THE WATER BOARD AND WORKS.

DECISIONS OF THE COURT OF APPEALS APPLICABLE TO WATER BOARD MATTERS.

EXTRACTS FROM PROCEEDING OF THE WATER BOARD RELATING TO CERTAIN CHARGES FOR WATER SERVICE.

STATUTES AND ORDINANCES UNDER WHICH THE CITY HAS ISSUED WATER STOCKS.

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STATUTES.

WATER.

ACQUISITION OF LAND, WATER AND WATER-COURSES—WATER RATES.

City Code, 1893, Sec. 915.

Powers of M. and C. C.

1. The Mayor and City Council of Baltimore may, from time to time, contract for, purchase, lease and hold, in fee simple, or for a term of years, any land, real estate, spring, brook, water and water-course, and also the right to use and occupy, forever or for a term of years, any land, real estate, spring, brook, water or water-course which they may conceive expedient and necessary for the purpose of conveying water into the said city for the use of the said city and for the health and convenience of the inhabitants thereof, and also the right to enter and pass through, from time to time, as occasion may require, and to use and occupy the said lands through which they may deem it necessary to convey the said water; and they are hereby invested with all the rights and powers necessary for the introduction of water into said city, and to enact and pass all ordinances, from time to time, which shall be deemed necessary and proper to exercise the powers and effect the objects above specified.

Mayor, etc., *v.* Appold, 42 Md. 442.

1882, *Ch.* 125.

City Code, 1893, Sec. 916.

May contract for use of water

2. They are authorized and empowered to contract with individuals, firms or corporations for the use of the water of said city on such terms and for such time as they may deem proper and expedient.

City Code, 1893, *Sec.* 917.

May agree with land owner.

3. The Mayor and City Council of Baltimore, or any agent authorized by them, may agree with the owner of any land, real estate, spring, brook, water or water-course as aforesaid, earth, timber, stone or other materials which the said Mayor and City Council may conceive expedient or necessary to purchase and hold, for the purpose of introducing water into the said city.

City Code, 1893, *Sec.* 918.

Condemnation proceedings.

4. If they cannot agree, or if there be any incapacity or disability to contract with the owner of such land or real estate, spring, brook, water or water-course as aforesaid, earth, timber, stone or other materials, or with the owner of such lands through which the said Mayor and City Council may find it necessary to have a right of entry and passage for the purpose of conveying the said water into the said city; or if such owner shall be absent, out of the State, or unknown, it shall be lawful, on the application of the Mayor and City Council, for any Justice of the Peace of the county in which such lands, earth or other property or materials as aforesaid are situate, to issue his warrant to the Sheriff of said county, commanding him to summon from the said county a jury of twenty freeholders, inhabitants of said county, not related to the owner or persons interested, as aforesaid, in the said real estate or other property, to meet on the premises which are to be valued, on some certain day to be named in said warrant, of which said warrant and the day therein named for the meeting of the jury, twenty days' notice shall be given previous to such day by the Mayor and City Council, to every owner or person interested as aforesaid, or if any owner be an infant or lunatic, or *feme covert*, to his or her guardian or

her husband, or in either case, left at his or her place of abode; or if out of the State or unknown, such notice shall be published not less than eight weeks successively in some one or more of the daily newspapers of Baltimore city, and in one or more of the newspapers of the county in which such property may be located, if any newspaper be published in such county.

Graff *vs.* Mayor, etc., 10 Md. 544. Kane *vs.* Mayor, etc., 15 Md. 240.

Ibid., Sec. 919.

Selection of jurors.

5. From the list of jurors so returned and attending, the person, the condemnation of whose property may be desired, may strike four, and the said Mayor and City Council strike four, so that the number of jurors be reduced to twelve; and in case either party shall neglect or refuse to strike off the names of jurors, then it shall be the duty of the Sheriff or his deputy, who shall attend as hereinafter directed, to strike off jurors for the party so refusing or neglecting, so that the number of jurors be reduced to twelve as aforesaid.

Ibid., Sec. 920.

Duty of jury.

6. The jurors so remaining shall inquire into, assess, and ascertain the sum of money to be paid by the said Mayor and City Council of Baltimore, for the land, spring, brook, water-rights or other property which they may deem necessary to purchase and hold or use for the purpose aforesaid.

City Code, 1893, *Sec.* 921.

Oath to jurors.

7. Before the said jury act as such, the said Sheriff or his deputy shall administer to each of them an oath that he will justly and impartially value the damages

which the owners or parties holding an interest therein will sustain by the use and occupation of said property by the Mayor and City Council of Baltimore.

Ibid., Sec. 922.

Inquisition.

8. The said jury shall reduce their inquisition to writing, and shall sign and seal the same, and it shall then be returned by said Sheriff to the Clerk of the Circuit Court for said county, and be filed by such clerk in his office, and shall be confirmed by said court at its next session, if no sufficient cause to the contrary be shown; and when confirmed shall be recorded by the said clerk at the expense of the Mayor and City Council of Baltimore.

Ibid. Sec. 923.

New inquisition.

9. If not confirmed the said court may direct another inquisition in the manner above described. From any decision on matter of law made by said court on a hearing for confirmation, an appeal may be taken to the Court of Appeals; provided, such appeal be taken within ten days after such decision shall be made; and the Court of Appeals may award costs to either party in its discretion.

Appeal.

Taylor *vs.* Mayor, etc., 45 Md. 576.

Ibid., Sec. 924.

What inquisition shall contain.

10. The inquisition shall describe the property taken or the bounds of the land condemned, and the quantity or duration of the interest in the same, valued to the Mayor and City Council of Baltimore; and such valuation, when paid or tendered to the owner of such property, or his legal representative, shall entitle the Mayor and City Council of Baltimore to the use, estate and interest in the same thus valued, as fully as if it had been conveyed by the owner of the

same; and the valuation, if not received when tendered, may at any time thereafter be received from the Mayor and City Council of Baltimore, without interest, by the said owner or his legal representative.

City Code, 1898, *Sec.* 925.

Talesmen.

11. If the twenty jurors summoned as aforesaid shall not appear at the time and place appointed as aforesaid, the Sheriff or his deputy, as the case may be, shall forthwith summon other freeholders of the county from the bystanders or others qualified as aforesaid to make up the said jury to the number of twelve.

Ibid., *Sec.* 926.

Compensation of jurors.

12. The jurors so summoned and attending shall be allowed the same compensation as is allowed to the jurors in the Circuit Court for the county, and the Sheriff shall be allowed similar fees as are allowed by law for the summoning jurors to attend the Circuit Court for the county, and also a *per diem* of two dollars for every day he or his deputy shall be in attendance upon an inquisition; and such expenses shall be paid by the said Mayor and City Council of Baltimore, except in cases of objections to the confirmation of inquisitions before the Circuit Court, when the costs in said court may be awarded in the discretion of the court.

Ibid., *Sec.* 927.

M. and C. C. may issue water stock.

13. For the purpose of defraying all the expenses and costs of said lands, waters and water-rights, as shall have been taken for the purposes aforesaid, and of constructing all works necessary to the accomplishment of said purposes, and all expenses incident thereto, the said Mayor and City Council of Baltimore

shall have authority in the name of the city to issue certificates of debt, to be denominated on the face, Baltimore water stock, to an amount not exceeding five million dollars, bearing interest not exceeding six per cent. per annum, and to provide by ordinance for the redemption of the same at a certain time, and under such provisions as the Mayor and City Council may deem expedient and proper; the said Mayor and City Council are authorized and empowered to assess rates for the supply and use of water at any point in Baltimore city and county; and the Mayor and City Council are authorized to enforce payment for the use of water, and other expenses incurred in the introduction of water from the water mains, according to the rates established by the said Mayor and City Council; said payments to be enforced by the same process that city or State taxes are collected, or they may be collected by process before a Justice of the Peace, or in any of the courts of the city of Baltimore having jurisdiction in such cases; and the said Mayor and City Council are authorized and empowered to appoint watchmen or such police force as may be necessary for the protection of their water-works in the city and county of Baltimore, and to impose fines and penalties for interference with or injury to the works or their appendages, to prevent the water from being obstructed or contaminated, and to prohibit all meddling or tampering with the water-works and their appurtenances; said fines and penalties shall be enforced as provided in sub-title, "fines and forfeitures," of this article.

May assess water rates.

Other powers.

14. The Mayor and City Council of Baltimore are authorized to issue bonds or certificates of indebtedness to an amount not exceeding one million dollars, from time to time, as the same may be required, payable at such time and bearing such rate of interest, not exceeding five per centum per annum, as the said Mayor and City Council of Baltimore shall provide by ordinance; the proceeds of the said bonds or certificates of indebtedness to be applied to the purpose of constructing and completing Lake Clifton, as proposed to be constructed on the line of the work of the introduction of the water of the Gunpowder Falls to the city of Baltimore, and for the acquisition of the necessary land in Baltimore county, whereon to locate one or more reservoirs, and for the construction of said reservoir or reservoirs, and for obtaining such pumping machinery as may be necessary in connection therewith, and for procuring and laying of iron pipes or mains for the purpose of distributing said water to the inhabitants of said city; provided, however, that the said bonds or certificates of indebtedness shall not be issued until the ordinance which the said Mayor and City Council of Baltimore are authorized to enact for such issue shall be approved by a majority of the legal voters of Baltimore city, and at the time and place to be appointed by said ordinance in the provision for submitting the same to the legal voters of said city as required by Section 7 of Article 11 of the Constitution of the State.*

City Code, 1893, *Sec.* 928.

Bonds for Lake Clifton and reservoirs, etc.

*Approved by the people at October election, 1886.

City Code, 1893, *Sec.* 929.

Catonsville Water Company.

15. Before the Mayor and City Council of Baltimore shall lay any water pipes along any street, road, lane or avenue in the territory annexed to the city of Baltimore under the provisions of the Act of 1888, Chapter 98, upon which the Catonsville Water Company has laid its pipes and other water appliances, the said Mayor and City Council of Baltimore shall, if said company desires to surrender said pipes and water appliances in such street, road, lane or avenue, to the Mayor and City Council of Baltimore, pay to the said company the fair value of its water pipes and other water appliances constructed in said street, lane, road or avenue, and such actual damages to the said company as shall be caused by the acquisition of said pipes and appliances by the Mayor and City Council of Baltimore; and the amount so to be paid, if the said company and the said Mayor and City Council of Baltimore cannot agree in reference thereto, shall be ascertained by a majority of a board of three arbitrators, one to be appointed by the Mayor and City Council of Baltimore, and one by said company; and the two arbitrators thus appointed shall appoint the third arbitrator; and if they cannot agree upon such third arbitrator, the latter shall be appointed by the Governor of the State.

Arbitrators.

BALTIMORE WATER COMPANY.

City Code, 1893, *Sec.* 930.

M. and C. C. may buy property of.

16. The Mayor and City Council of Baltimore are authorized to purchase all the property, estates, rights and privileges of any chartered company authorized to introduce, or which may hereafter be authorized to introduce water into said city, upon such terms as

may be agreed upon by the Mayor and City Council of Baltimore, and such corporation or corporations, in the manner prescribed in their respective charters, or in the absence of such provisions, as shall be agreed upon by the said Mayor and City Council of Baltimore and such corporation or corporations; and such corporation is authorized to execute a conveyance to the Mayor and City Council of Baltimore of all the franchises and property of said corporation; and all such rights, privileges and franchises shall be vested in the Mayor and City Council of Baltimore, to be held, exercised and enjoyed by the said Mayor and City Council of Baltimore, as fully in every respect as might or could have been done by any such corporation or corporations under their respective charters.

LAKE ROLAND, RESERVOIRS AND DAMS.

17. If any person shall willfully pollute the water in any lake, reservoir, line of conduit, water-pipe, gate-house, or other work constructed or used for supplying the city of Baltimore with water, by swimming, bathing or washing therein, or by washing or causing to be washed therein, or so near thereto as to pollute the water therein, any clothes, the skin of any dead animal, or any impure, fetid or noxious animal or vegetable matter, or shall throw, or cause to be thrown therein, or so near thereto as to pollute the water therein, any impure, fetid or noxious animal or vegetable matter, the person so offending shall forfeit and pay a sum not less that five nor more than fifty dollars for each offense.

Ibid., Sec. 931.

Pollution of water.

Penalty.

Mayor *vs.* Warren Manufacturing Company, 59 Md. 96.

City Code, 1893, *Sec.* 932.

Nuisances.

18. If any person shall erect, or cause to be erected, any privy, hog-pen, bleaching or dyeing establishment, or other thing, over any lake, dam, reservoir, line of conduit, water-pipe, gate-house or other work constructed or used for supplying the city of Baltimore with water, or so near thereto as to pollute or discolor the water therein, the person so offending shall forfeit and pay a sum not exceeding fifty dollars, and the further sum of ten dollars for each and every day the same shall remain after notice to remove the same shall have been given.

Ibid.

Ibid., *Sec.* 933.

Injury to dams and pipes.

19. If any person shall injure, or cause to be injured, defaced or destroyed, any dam, reservoir, line of conduit, water-pipe, gate-house, stop-cock, or other thing used for supplying the city of Baltimore with water, the person so offending shall forfeit and pay the sum of not less than five nor more than fifty dollars for each offence.

Ibid., *Sec.* 934.

Fines, how recoverable.

20. All fines and forfeitures imposed by the preceding section shall be recoverable by warrant before any Justice of the Peace in and for the city of Baltimore, or in and for Baltimore county, according to the respective jurisdiction under which any of the offences herein set forth may be committed; one-half to the informer and the other half to the Mayor and City Council of Baltimore.

City Code, 1893, *Sec.* 935.

Wrongdoer also liable for damages.

21. The two preceding sections shall not be construed to exempt any person who may have been fined for a violation thereof, or who may be charged with a violation thereof, from an action of damages for

any injury or destruction of any part of the works used in supplying the city of Baltimore with water, in any suit for damages on account of said injury, brought by the Mayor and City Council of Baltimore.

PUMPS.

22. The Mayor and City Council have power to erect and regulate pumps in the streets, lanes and alleys of Baltimore city. *Ibid., Sec. 936.* Pumps.

ORDINANCES.

WATER BOARD.

1. There shall be appointed biennially, in the month of February, as other city officers are appointed, a board of six commissioners, who shall be residents of the city of Baltimore, who, with the Mayor, shall be styled the Water Board of the city of Baltimore; said commissioners to be men of undoubted character and selected with a view to skill and efficiency. The Mayor shall be the president of said Board, and preside at all meetings which may be held to deliberate upon the affairs of the Water Department. Any four members of said Board shall constitute a quorum for the transaction of business. The Board shall have authority to appoint a secretary, whose duty it shall be to keep a record of the proceedings, and perform such duties as may be assigned to him by the Board. They shall have authority to fill any vacancy or vacancies that may occur in their body, by reason of the death, resignation or removal from the city of any of its members during the recess of the City Council, and in the absence of the Mayor, to appoint a president *pro tempore*; to make and pass all rules and regulations for the government of the Board, the laying and tapping of pipes, or for the protection and preservation of the said pipes, or other property and appurtenances of the water works; and to affix penalties, and to enforce the same for any violation of their rules and regulations; to appoint or secure the ap-

City Code, 1893, *Art.* 54, *Sec.* 1.

Appointment.

Quorum.

Vacancies.

Powers.

pointment of such police force and watchmen as may be necessary for the protection, care and preservation of, and to prevent obstruction or injury to, the water works and their appendages, and to adopt all necessary regulations to preserve the purity of the water, and to enact and enforce such rules, regulations and penalties as they may deem necessary, in accordance with this Code.

Ibid., Sec. 2.

Meetings.

2. It shall be the duty of said Board to meet once in every month, and oftener if required, to mature and decide upon all plans in reference to the general policy, details and management of all other matters touching the city's interest in said Water Department consistent with existing laws.

City Code, 1893, Art. 54, Sec. 3.

Records.

3. The said Water Board shall arrange and keep all the title papers, and copy the same in a book to be kept in the office. The Board shall provide suitable books in which the general accounts shall be regularly posted, showing an aggregate of all the transactions of the department, and a statement of said general accounts shall be made at each monthly meeting of the Board. And on or before the twenty-fifth day of January, annually, the Board shall present to the City Council a report containing a full statement of the condition of the water-works, and of the lands and other property connected therewith, with a statement of the general accounts; and of all receipts and expenditures for the preceding year, together with any information or suggestions the commissioners may deem important. And they shall at the same time transmit to the City Council the annual report of the Engineer and Registrar.

Annual report.

4. No member of the Water Board, and no person appointed to office under this article, shall be interested, directly or indirectly, in any contract, bargain, sale or agreement in relation to the water-works, or any matter or thing connected therewith, wherein the city is interested, without an express vote of the City Council; and any and all contracts, bargains, sales or agreements made in violation of this section shall be utterly void as to the city, and said office to be vacated.

Ibid., sec. 4.

Not to be interested in contracts.

5. The Water Board shall have authority to appoint a Water Engineer, a Civil Engineer, a Water Register and such clerks in the Registrar's and Water Engineer's departments, as also such gatekeepers, superintendents and watchmen, or police, as in the judgment of said Board may be necessary; and such appointees shall receive such compensation and perform such duties as shall from time to time be fixed and designated by the said Water Board, and shall be subject to dismissal at the pleasure of the Board; provided, however, that no salary of any employee of said Water Board, other than the Civil Engineer, shall exceed that now paid the Water Engineer; and said Board may require of any or all of the employees by it so appointed, such bond for the faithful performance of the duties of their office as may, in the judgment of the Board, be proper; such bonds to be approved by the Mayor; and said Water Board may at any time, in its discretion, consolidate the positions of Water Engineer and Civil Engineer, and regulate and fix the duties thereof at pleasure, as also the compensation of the officer elected to such consolidated position.

Ibid., Sec. 5.

Ord. 46, April 5, 1880.

Appointment of officers, clerks and subordinates.

WATER REGISTRAR.

City Code, 1893, Art. 54, Sec. 6.

Appointment.

6. There shall be appointed, biennially, in the month of December, by the said Water Board, a Water Registrar, who shall hold office until his successor is appointed. He shall, under the direction of the Board, with the assistance of the collectors, assess the water-rates on all buildings where the rates are established by law; and with the assistance of the clerks in his department, shall keep suitable books, in which shall be entered all transactions of his department, the names of all persons who take the water, the kind of building, the name and number of the street, the number of taps, and the amount charged, the names of the owners of all buildings, with the street and number of the building, and the front feet. He shall in due time prepare bills for rents and other accounts due the Water Board, and require the collectors to deliver said bills and accounts promptly; and he shall supervise all books and accounts the Board may direct to be kept in his office. All funds received from every source on account of the Water Board shall be paid to the Water Registrar, and the same shall be deposited daily as the ordinances of the city may direct.

Duties.

City Code, 1893, Art. 54, Sec. 7.

Payments to Register.

7. It shall be the duty of the Water Registrar to pay over daily to the City Register each and every sum of money received by him on account of rents or other dues of the said Water Department.

Ibid., Sec. 8.

To deposit funds in bank.

8. And the Register is hereby authorized and directed to open an account in such bank as the Commissioners of Finance may direct, where all moneys

received by the Water Department shall be deposited; the fund so deposited to be withdrawn from said bank as may be required to pay the expenses incurred by the Water Board; and on or before the first day of May and November in each year, a sum sufficient to pay the interest on the water stock debt of the city; and after said expenses and the interest on the water stock shall have been paid, the surplus shall be applied on the first day of May and November in each year to the sinking fund of the water stock.

Ibid., Sec. 9.

How funds are to be drawn out.

9. And no funds shall at any time be drawn from the Register, unless duly authorized by the Water Board, and recorded on the journal; all checks, drafts or orders on the Register, so ordered by the Water Board shall be signed by the president and secretary of the Board.

Ibid., Sec. 10.

Bills to be paid monthly.

10. All claims upon the board shall be paid monthly, and no payments shall be made unless the bill or claim be certified by the officer or other person duly authorized to make an agreement or contract for the Water Board, and all payments shall be ordered by the Board, and the order recorded on its journals.

City Code, 1893, Art. 54, Sec. 11.

Board to keep account with Registrar.

11. The Water Board shall keep an account with the Water Registrar, in which he shall be charged with the water rents and other indebtedness due, the number of water-takers and the amount paid. All money collected and paid over by the Registrar shall be credited on said account, and all abatements or deductions proposed shall be submitted to the Board, and if approved by the Board the abatements may be

made and the Registrar's account credited with the amount.

Ibid., Sec. 12.

Monthly statement.

12. The Water Registrar shall, on or before the first Monday in each and every month, make a detailed statement for the previous month, of the operations of his department to the Board, and on or before the first Monday of January, annually, shall present to the Water Board a report containing a statement of water-takers, the number of cases where the water has been cut off, the number and amount of abatements, the new supplies made, the receipts and expenditures of the Water Board, and such other matters as he may deem expedient.

WATER ENGINEER.

Ibid., Sec. 13.

Appointment.

13. The Water Board shall appoint, biennially, in the month of December, a Water Engineer, who shall hold his office until a successor is appointed. He shall take charge of all the works connected with or in any way appertaining to the Water Department, and have the general outdoor arrangement of all matters relating to the water works and the appurtenances thereto as the Water Board may from time to time direct. He shall make all connections of service pipe extending from the water mains to the outside of any building where the water is taken; and no lead pipe shall be laid connecting with the main pipe less than thirty-six inches beneath the surface; and the quality and size of all service pipe used by the Engineer must be approved by the Water Board. He shall keep a record in his office, showing the number of water-takers, their location and the prices charged to each,

Duties.

and a record showing the streets, lanes, alleys, etc., whenever the water pipes are or may hereafter be laid, the size of the pipes, the openings in the mains, the number and position of fire-plugs, and of all new supplies, and all cases where the supply has been stopped off, and the reasons for stopping off the water. And no pipe or main shall be tapped, opened or reopened for a supply of water unless it be done under the direction of the Water Engineer exclusively.

City Code, 1893, *Art.* 54, *Sec.* 14.

Further duties.

14. He shall make out bills as soon as the work is done for tapping, laying service pipe and other charges for new supplies, and all bills for materials sold by order of the Board and deliver said bills to the Registrar for collection. And it shall be the duty of the said Engineer, with the sanction of the Water Board, to employ such labor and conduct such operations as may be needed from time to time; to report to the Board at its monthly meeting a detailed statement showing the operations of his department for the preceding month, and annually, on the first Monday in January, a full statement of the work under his charge; the amount expended during the year, for what purpose, the quantity and value of materials on hand, and all such other information as may be required by the Board. He shall be responsible to the Board for the good condition of the works and for the faithful performance of the duties of all persons employed on the water works, or in extending, repairing or removing water mains and all other work in his department; and during the period for which he is appointed he shall hold no other public office whatever.

Ibid., Art. 20, Sec. 25.

Standard screw

15. The standard screw of the suction tubes of the steam fire-engine and the large openings in the steam fire-plugs shall be five and one-half inches in diameter, with five threads to the inch, and the standard screw for the hose shall be three inches in diameter, with seven threads to the inch.

Ibid., Art. 20, Sec. 26.

Screws of fire plugs to conform.

16. The Water Engineer is hereby directed to cause the screws of all fire-plugs hereafter inserted by him to conform to the preceding section.

City Code, 1893, Art. 23, Sec. 8.

Ord. 97, Oct. 28, 1879.

Wells and springs to be analyzed.

17. Whenever the attention of the Commissioner of Health shall be called to any well or wells, spring or springs, public or private, on any of the streets, lanes, alleys or squares of the city of Baltimore, the water of which is used for drinking purposes, and which is suspected to be unfit for the same, he shall procure samples of water from the said well or wells, spring or springs, and submit the same to some competent and reputable analytical chemist for analysis, and from whom he shall require a report of the quality of such water within thirty days after the sample shall have been furnished.

Ibid., Sec. 9.

Record of analysis.

Condemnation.

18. If upon analysis of any sample or samples, the chemist shall find and report the water of such well or wells, spring or springs, to be unfit for drinking purposes, the Commissioner of Health shall make and preserve a record of such analysis and report in his office, and shall, immediately after the receipt of such analysis, condemn the water of said well or wells, spring or springs, as "unfit for drinking and detrimental to health," and shall notify the Water Engineer of his action in the same.

19. Whenever the Commissioner of Health shall condemn the water of any well or wells, spring or springs, as "unfit for drinking and detrimental to health," and shall notify the Water Engineer of the same, then the said Water Engineer shall forthwith place the said well or wells in such condition as will prevent any water being taken therefrom, or cover the same in the manner prescribed by Article 54 of this Code, title "Water," sub-title "Removal of Pumps," and shall put up in a conspicuous place, contiguous to the said spring or springs, a sign-board notifying the public that the water of the same has been condemned as unfit for use and detrimental to health.

Ibid., Sec. 10.

Water Engineer to prevent water from being used.

20. The Water Engineer, in the case of any spring the water of which has been condemned as "unfit for drinking and detrimental to health," and where the city's title to such property is contingent on its being kept as a public fountain, shall cause such connection to be made with the water mains of the city as shall fulfill said conditions.

Ibid., Sec. 11.

When Water Engineer shall connect spring with water mains.

21. Whenever any pump shall have been removed in pursuance of the provisions of Sections 17–20, and the removal thereof shall deprive the residents of the locality of the use of water, it shall be the duty of the Water Engineer to erect, in lieu thereof, and over such well in the locality as may be selected and deemed sufficient to supply the loss of the pump or pumps, a suitable fountain, which shall be so constructed as to have a six-inch cast iron return pipe,

Ibid., Sec. 12.

Water Engineer to erect fountains.

with a capacity of not less than twenty-five gallons, placed under the surface of the water, in order that the water of said fountain may be rendered cool and palatable during the warm weather.

City Code, 1893, *Art.* 23, *Sec.* 13. *Ord.* 97, *Oct.* 28, 1879. How to be constructed.

22. In order to secure the greatest public utility in the public fountains to be erected in any locality, the Water Engineer shall, whenever it is practicable, that is to say, where there is a well containing water which may be used for the purpose, construct the same in accordance with the provisions of the preceding section.

Ibid., *Sec.* 14. Signs on condemned pumps. Removal of pumps.

23. The Water Engineer shall place a sign upon all pumps declared unfit for drinking purposes, but shall not remove the said pumps until he is ready to replace said pumps with suitable drinking fountains; this section to apply to all pumps where the handles have already been removed.

Ibid., *Sec.* 184. *Ord.* 19½, *March* 28, 1883. Flushing gutters.

24. The Mayor, Health Commissioner and Chief Engineer of the Water Department are hereby authorized and directed to have the fire-plugs turned on to flush the gutters in the city, in the months of March, April, May, June, July, August, September and October, twice a week, for one hour each day, for benefit of general health.

WATER RATES.

City Code, 1893, *Art.* 54, *Sec.* 15. Payable yearly in advance.

25. All charges for water rates shall be made for the current calendar year, and shall be due and payable yearly, in advance, on the first day of January, in

each and every year; and all bills for water rates charged by the year, if paid at the office of the Water Registrar on or before the first day of March, shall be entitled to a deduction of ten per cent.; if paid on or before the first day of April, eight per cent.; if paid on or before the first day of May, six per cent.; if paid on or before the first day of July, four per cent.; if paid on or before the first day of September, two per cent. No discount shall be made after the first day of September; and all bills not paid by the first day of October shall be placed in the hands of collectors, and shall then be collected in the same manner and subject to the same costs as the City Collector is or may be authorized to demand in collecting taxes overdue to the city, or they may be collected as other small debts are collected, before a Justice of the Peace. Discounts.

26. Water rates as established by the Water Board October 8, 1888, to take effect January 1, 1889: *Ibid., Sec.* 16. *Ord.* 90, *Oct.* 10, 1883.

Rates for use of hydrant water.

Stores and warehouses not occupied as dwellings, 22 feet front	$10 00
Stores and warehouses not occupied as dwellings, over 17 feet and less than 22 feet	8 00
Stores and warehouses not occupied as dwellings, under 17 feet	6 00
Private families in a house, over 22 feet front	13 00
Private families in a house, 20 feet and not over 22 feet front	12 00
Private families in a house, not over 19 ft. front	11 00
" " " " 18 "	10 00
" " " " 17 "	9 00

Private families in a house, not over 16 ft. front	$8 00
" " " " 15 "	7 00
" " " " 14 "	6 00
" " " " 13 "	5 00
" " " " 12 "	3 00
Steam boilers, each horse power	3 00
Attachments for washing pavements, etc	3 00
Bathing tubs for public use, each	10 00
Carriages, each	1 50
Horses not used exclusively for drays, carts and wagons	1 50
Churches	5 00
Offices	4 00

Meter and elevator rates 45 cents per thousand cubic feet, 1,000 cubic feet being equal to 7,480 gallons.

For taverns, refectories, livery stables, lager beer houses, boarding houses, daguerreotype saloons and offices, and for the use of water in any form (unless otherwise herein expressly provided) the charges or rates may be prescibed by the Water Board, as they deem proper, and in the assessment of water rates on buildings of large front and comparatively small depth, not exceeding twenty-four feet, the Water Board is authorized to modify the assessment of water rates.

The charge per annum for all steam boilers used for generating steam for engines only, when using the water supplied by the city, shall be fixed at the rate of three dollars per horse-power; but in case other excessive uses are required for the water, a meter may be substituted, by which the usual rates will be charged.

The Water Board may make such abatements from time to time, of water rents and charges, as they may deem just and proper.

ABSTRACT OF ORDINANCE.

No abatements from the above charges will be made unless the property be reported at the office of the Registrar as vacant, and the supply stopped off for three months from day of notice.

All abatements must be made at the office of the Water Registrar. But no abatement will be allowed beyond the year in which notice is given, unless renewed at the beginning of the succeeding year.

Where parties have paid their bills in advance the Water Board may direct the amount of the abatement to be returned; but no abatement will be made unless the parties have given notice at the Registrar's office that the property was vacant, and the water was off for three months, from the day of notice.

All bills in arrears may be deemed a sufficient reason for stopping the water until all the arrears are paid.

Whenever the water is stopped off for non-payment of water rents one dollar shall be paid to the Water Registrar before the supply is turned on again.

The owners of property will in all cases be held responsible for the payment of water rates.

All persons using the hydrant water without the knowledge of the Engineer or Registrar, and all persons permitting their neighbors to use the water without a written permit will be subject to a fine of not less than one dollar nor more than three dollars for each offense.

No person or persons will be permitted to introduce the hydrant water on his, her or their premises without the authority of the Water Board; and in case of discovery the water shall be stopped off.

Any person tapping, or causing to be tapped, any pipe belonging to the city, or any private pipe connecting with the city pipe, will be subject to a fine of twenty dollars.

All charges for water rates shall be made for the current calendar year, and shall be due and payable yearly in advance on the first day of January in each and every year.

All bills for water rates charged by the year, must be paid at the office of the Water Registrar, and will be entitled to a discount.

If paid on or before the first day of March, 10 per cent.

If paid on or before the first day of April, 8 per cent.

If paid on or before the first day of May, 6 per cent.

If paid on or before the first day of July, 4 per cent.

If paid on or before the first day of September 2 per cent.

No discount shall be made after the first day of September, and all bills not paid by the first day of October will be placed in the hands of collectors or bailiffs, and shall then be collected in the same manner and subject to the same costs as the City Collector is or may be authorized to demand in collecting taxes overdue to the city.

City Code, 1893, *Art.* 54, *Sec.* 17.

Water for building purposes.

27. No charge shall be made for the use of water for building purposes, and all persons using water for building purposes shall have the use of it under such restrictions as may be prescribed by the Water Department.

City Code, 1893, *Art.* 54, *Sec.* 18.

Notice to Water Registrar of completion of buildings.

28. Parties using water for building purposes shall, within one week after the completion of the building or buildings, certify the fact to the Water Registrar, under a penalty of ten dollars for failure or neglect so to do, the fine to be collected as other fines and penalties are collected.

Ibid., *Sec.* 19.

Water meters.

29. Where large quantities of water are required, as in the case of railroads, hotels, manufacturing and other establishments, whether for steam engines or otherwise, the Water Board shall have power to ascertain by meters the amount of water used; and the proprietors or occupants of hotels, taverns, boarding-

houses or any other establishments using large quantities of water shall also have authority to place within their premises, at their own expense, a sufficient water-meter, to be approved by the Water Registrar, for the purpose of measuring the quantity of water by them respectively used; the charge for the use of water by meter shall be two cents for one hundred gallons, to be collected quarterly by the Water Registrar; and all such bills shall be paid within ten days thereafter or the Water Registrar shall cut off the supply.

Ibid., Sec. 20.

Ord. 117, *May* 23, 1880.

Rates for manufacturing purposes.

30. The Water Board shall have authority to regulate and modify the rates and charges for water used for manufacturing purposes, whether for steam engines, boilers or otherwise, within the corporate limits of Baltimore city, provided; however, that the rates as established by said Board shall be uniform for all individuals, firms and corporations engaged in the same class or description of manufacturing business.

City Code, 1893, *Art.* 54, *Sec.* 21.

Ord. 42, *March* 31, 1880.

When abatements may be made.

31. No abatement from the above charges shall be made unless the property be reported at the Registrar's office as vacant by notice in writing, and the supply has been stopped off for three months; all abatements must be made at the office of the Registrar, and where parties have paid their bills in advance the Water Board may direct the amount of the abatement to be returned; but no abatement shall be made unless the applicant shall show that notice of vacancy has been given at the office of the Registrar as aforesaid.

Ibid., *Art.* 26, *Sec.* 3. *Res.* 94, *April* 16, 1883. House of Refuge to be exempt from water rent.

32. The Water Board is authorized and directed to exempt the managers of the House of Refuge from the payment of water rent for that institution.

(*Suppl.*) *Ibid.*, *Art.* 41, *Sec.* 60. *Res.* 185, *May* 22, 1893. Companies may sprinkle streets.

33. The various railway companies are hereby authorized to sprinkle the streets along their lines of railway, under the direction of the Superintendent of Street Cleaning, and for that purpose the said various railway companies may use water drawn from the city mains, and may attach the necessary hose to the water plugs on their lines to fill their water cars therefrom upon such terms as may be prescribed by the Water Board.

Ibid., *Sec.* 22. Shutting off water. Wrongful use of water.

34. All bills in arrears may be deemed a sufficient reason for stopping the water until all arrears are paid; whenever the water is stopped off for non-payment of water rents one dollar shall be paid to the Water Registrar before the supply is turned on again; the owners of the property will in all cases be held responsible for the payment of water rates; all persons using the hydrant water without the knowledge of the Engineer or Registrar, and all persons permitting their neighbors not entitled to use the water without a written permit will be subject to a fine of not less than one dollar nor more than three dollars for each offense, and in such cases the Registrar shall shut off the water from the premises of all such persons; and no person or persons will be permitted to introduce the hydrant water on his, her or their premises without the authority of the Water Board, and in case of discovery the water shall be stopped off; provided, that nothing herein contained shall be

so construed as to prevent any citizen from furnishing water, in necessitous cases, in quanities not exceeding two gallons. Any person tapping, or causing to be tapped, any pipe belonging to the city, or any private pipe connecting with the city pipe, will be subject to a fine of twenty dollars; all fines to be collected as other fines and forfeitures are now collectible.

Penalty for tapping pipes.

Ibid., Sec. 23.

35. And all the officers and employees of the Water Board are hereby directed to report at the Water Registrar's office all cases coming to their knowledge of persons using the hydrant water without authority, as provided in the preceding section.

Officers and employees to report wrongful use of water.

City Code, 1893, *Art.* 54, *Sec.* 24.

36. The Water Board is hereby authorized and required to have printed on the back of each bill distributed to the water consumers the tariff of rates upon which water is served to them, together with the terms, discounts, fines and penalties prescribed by this ordinance.

Rules to be printed on back of bills.

WORKS—LAYING PIPES IN STREETS.

Ibid., Sec. 25.

37. The Water Board shall have full power and authority to convey water under and along any of the streets, lanes and alleys of the city of Baltimore, and to lay a pipe or pipes in any of the said streets, lanes and alleys for the purpose of conveying and distributing the said water; and the said pipes from time to time to renew and repair, and for that purpose to dig, break up and open all or any part of such street, lane or alley, and of the pavement or footways thereof, leaving at all times a sufficient passage way

Water Board may lay pipes under and along streets and alleys.

for carriages, horses and foot passengers, if the same will admit thereof, and restoring forthwith to their former condition all such streets, lanes and alleys, pavements and footways, as shall from time to time and at any time be so dug, opened and taken up, and mending and repairing all injuries to said streets, lanes and alleys, pavement and footways, arising from their so digging, opening and taken up the same as aforesaid.

Ibid., Sec. 26.

Pipes to be laid and repaired without delay.

38. Whenever the Water Board or any of their agents or workmen shall take up any part of the pavement or dig up any part of the streets, lanes or alleys of the city of Baltimore for the purpose of laying or repairing the pipes for conducting the water through the city, or into the houses or lots of the citizens, they shall proceed without delay to put down or repair the pipes, as the case may be, and immediately thereafter fill in the earth or otherwise secure the place so dug up from becoming a nuisance or endangering persons riding or driving through the same, and shall also, when the same is repaved, as hereinafter provided, remove without delay the stone, earth, sand or rubbish remaining from the laying or repairing such pipes.

Streets to be restored.

39. As often as any of the said pipes shall prove defective, so as to cause the water to flow on the surface of the ground or pavement, it shall be the duty of the said board to have the same immediately repaired.

Ibid., Sec. 27.

Defective pipes to be promptly repaired.

40. The pipes mentioned and referred to in the preceding section are hereby declared to mean and be any pipes laid by the said board or in connection with the

Ibid., Sec. 28.

Further provisions as to defective pipes.

works under their care, under or along any street, lane or alley of the city, whether the same be under or along the space covered or designed to be covered with the foot pavement or not, and a notice of the fact, by any person whatsoever, left at the office of said Board, shall be a sufficient notification. And it shall be the duty of the said Water Board, whenever they shall be notified that any pipe or pipes laid by them or in connection with the works under their charge, within the limits of any private property in the said city, are defective, so as to prevent or cause the water to flow upon the surface of the ground or pavement, to make immediate application to the owners or occupants of said property, should the occupant not be the owner thereof, for permission to send their workmen upon the premises to repair the same; and if any owner or occupant of any property, or agent of such owner, shall, upon such application, refuse permission to said Board thus to repair defective pipes as aforesaid, or refusing the said permission, shall not immediately repair the same themselves, they shall be subject to a penalty of ten dollars for every day after such application until such repair is made and such pipes secured.

City Code, 1893, *Art.* 54, *Sec.* 29.

Upon default of Water Board, City Commissioner shall repair and repave.

41. In all cases where the said Board or any of their agents or workmen shall take up the pavement for the purpose aforesaid, and shall not repave the same in a reasonable time, at the discretion of the City Commissioner, the said Commissioner shall give notice to the said Board to have the same immediately repaired; and if the Board refuse or neglect to have it done, the City Commissioner shall proceed to have it repaired at the expense of said Water Board.

42. It shall not be lawful for any person or persons, company or corporation, to remove any of the stone or brick pavements of the city for the introduction of water-pipes without permission from the Water Board, and the replacing of said pavement to be under the superintendence of the City Commissioner, at the expense of the party removing the same; and any person or persons, company or corporation, who shall violate this section, shall forfeit and pay a fine of twenty dollars, to be applied as provided in Section 45 hereof.

Ibid., Sec. 30.

Permits to remove pavements necessary.

43. In all instances where the pavement of any street, lane or alley, which may have been heretofore or may hereafter be opened or dug up by said Water Board, has not, in the judgment of the City Commissioner, been well and effectually repaved, the said Water Board, being informed thereof in writing by the said Commissioner, shall forthwith proceed well and effectually to repave the same, and the expenses thereof shall be chargeable to and paid by the said Board.

Ibid., Sec. 31.

Water Board to repave pavements dug up.

44. Whenever it becomes necessary to pave, repave or repair any street, lane or alley in the city of Baltimore, it shall be the duty of the paver or contractors to distinctly mark by three bricks on edge, or iron box, all water-stops of private water-pipes leading from the city's main pipes to the property opposite to which the stop may be found. He or they so offending shall forfeit and pay for each and every neglect the sum of ten dollars, one-half to the informer and the other half to the Register for the use of the Water Department.

Ibid., Sec. 32.

City Code, 1893, Art. 54, Sec. 32.

Water stops of private pipes in streets to be marked.

Bricks to mark water stops.

Penalty.

Ibid., *Sec.* 33. Water stops. Penalty.

45. It shall be the duty of owners of property, plumbers, bricklayers or other person or persons in paving or repaving the side-walks, yards or alleys, to distinctly mark by three bricks on edge, or iron box, the water-stops that may be covered by said paving or repaving, under a penalty of ten dollars for each and every neglect of the same, one-half to the informer, the other half as provided in preceeding section.

HYDRANTS AND FIRE PLUGS.

Ibid., *Sec.* 34. Unlawful to erect hydrants which waste in the earth. Penalty.

46. It shall not be lawful for any person or persons to erect any hydrant which wastes in the earth, or from which the water in the pipe, between the valve and the nozzle, runs back into the ground when the lever is let down, nor any fixture of any kind by which the waste-water from the pipes is discharged below the surface of the pavement; any person or persons who shall violate this section, upon conviction thereof before any Justice of the Peace of the city, shall forfeit and pay the sum of twenty dollars, one-half to the informer and the other half as provided in preceding section.

Ibid., *Sec.* 35. Hydrants regulated.

47. All persons who may use the water from the hydrants under the charge of the Water Board, or any water company within this city, shall convey or cause to be conveyed all the surplus water from their respective hydrants by means of gutters, trunks or pipes, into the public streets or otherwise, in such manner as not to injure the public footways or the property of their neighbors, under the penalty of five dollars for each and every offense.

48. If any owner or owners, occupier or occupiers of any house or tenement, shall let, permit or suffer any hydrant or hydrants attached to such house or tenement, to discharge more water than may be necessary for the use of such owner or occupiers; if such discharge shall, by the freezing of the water in any street, lane, alley or yard in the city, or from any other cause, occasion any injury or inconvenience to the public or to individuals, such owner or occupier shall forfeit and pay a sum not exceeding ten dollars.

Ibid., Sec. 36.

Excessive discharge of water

49. If any person shall break, injure, carry away or destroy any of the fire-plugs or instruments belonging thereto; or if any person or persons not authorized by ordinance or otherwise shall open and suffer any fire-plug to discharge water therefrom, such person shall for every such offense forfeit and pay the sum of twenty dollars; provided, that this section shall not extend in any case to any person performing the necessary cleaning of apparatus of the Fire Department or attending to any duties required by the corporation.

City Code, 1893, Art. 54, Sec. 37.

Injury to or unauthorized use of fire-plugs.

INJURING WATER WORKS.

50. If any person or persons shall do or cause to be done any act whatsoever whereby the water works belonging to the city of Baltimore, or any pipe, plug, cock or any engine or machine appertaining to the same shall be stopped, obstructed, impaired or injured, the person or persons so offending shall forfeit and pay a sum not exceeding twenty dollars.

Ibid., Sec. 38.

Penalty for injuring water works.

NEW HYDRANTS.

Ibid., Sec. 39.

Approval of Water Board necessary.

51. No new hydrant shall be used unless the principle of said hydrant be first approved by the Water Board; and any person violating this section shall forfeit and pay a fine of ten dollars, to be paid to the Register for the use of the Water Department.

NEW FIRE-PLUGS.

Ibid., Sec. 40.

Where to be erected.

52. The Water Board is hereby directed to have at least thirty fire-plugs erected annually hereafter, and placed at such points or places as in their judgment will best serve for the extinguishment of fires; provided, the Water Board shall place at least one fire-plug to the front or face of each square of ground or buildings where water pipes may be laid down.

Ibid., Sec. 41.

$5,000 annually appropriated therefor.

53. The sum of five thousand dollars is hereby appropriated annually to pay the expenses of erecting fire-plugs; and the Register is hereby directed, with the approbation of the Mayor, to pay such sum or sums to the order of the Water Board, not exceeding the annual appropriation for that purpose.

WRONGFUL CONNECTION OR USE OF WATER.

City Code, 1893, *Art.* 54, *Sec.* 42.

Ord. 43, *April* 5, 1880.

Penalty.

54. Should any person or persons, occupant or occupants, of any house or tenement, make connection with any pipe or pipes belonging to the city, or turn or let on the water to his or their premises, knowing the same to be turned off by an officer of the Water Board, without the written consent of the Registrar; or if any such person or persons, occupant or occupants, shall

use the water of the city after the same shall be wrongfully introduced, or turned on, as aforesaid, he, she or they shall forfeit and pay a sum of not less than one dollar nor more than twenty dollars; such penalty to be recovered as other fines and penalties are now recoverable.

Ibid., Sec. 43.

Refusal to permit Registrar or agent to visit premises.

55. Should any person or persons, occupant or occupants, refuse to permit the Registrar or his agent to visit his, her or their premises, when in the official discharge of his duty, he, she or they shall forfeit and pay a sum of not less than one dollar nor more than ten dollars.

FINES AND PENALTIES AND POLICE.

Ibid., Sec. 44.

To whom fines are payable.

56. All fines and penalties imposed by this ordinance shall be recovered as other fines and penalties are, and shall be paid to the Register for the use of the Water Department.

Ibid., Sec. 45.

Police to report violations of ordinances.

57. It shall be the duty of the police to report all violations of water ordinances, all new buildings using the water from hydrants or fire plugs for building purposes, wasting of water from hydrants, fire plugs out of order, bursted pipes, and person or persons who are using the water from the fire plugs, or causing the water to flow from them contrary to the provisions of any city ordinance.

FOUNTAINS.

Ibid., Sec. 46.

Water Board may erect.

58. The Water Board are hereby authorized and empowered, wherever in their judgment it shall be necessary to erect, or cause to be erected, under the

supervision of the Water Engineer, public fountains for the use of human beings and dumb animals, in such localities throughout the corporate limits of the city of Baltimore as will best subserve the public interests; the expense of the same to be taken out of the annual appropriation for plugs, pumps and fountains.

PRIVATE PUMPS.

City Code, 1893, *Art.* 54, *Sec.* 47.

Supervision of Water Engineer.

Permits for.

59. Whenever permission shall be granted to any person or persons to sink a well and erect a pump therein on the highways of the city of Baltimore, the person or persons to whom such permission shall be granted shall comply in full with the instructions given by the Water Engineer, under whose supervision all private wells shall be sunk and private pumps erected. No permission shall be granted to any person or persons to sink a well and erect a pump therein on any of the highways of the city of Baltimore unless the water thereof shall be subject to the free use of the public.

Ibid., *Sec.* 48.

Owners to take care of them.

60. All pumps known as private pumps, erected by permission of the Mayor and City Council of Baltimore, shall be taken care of by the owner of the property in whose interest the permission to erect the same may be granted, and any change in the ownership of said property shall transfer the obligation to take care of such pumps unless the same shall have been ceded to the corporation as provided in Section 71 of this article. (See 70 of this compilation.)

Ibid., *Sec.* 49.

Penalty.

61. Any person or persons violating any of the provisions of the preceding two sections shall be liable to

a penalty of five dollars, and a further penalty of one dollar for every day the violation shall be permitted to exist, to be recovered as other fines for violating city ordinances are recoverable.

WELLS AND PUMPS.

62. Whenever the owners of property in any locality which may be so situate that it cannot be supplied with hydrant water, desire a well to be sunk or pump to be erected, within the city limits, sixteen or more of them shall make application to the Water Board in writing, describing the place where the new well or pump is required, the Water Engineer shall examine the location and report to the Water Board the situation of the property surrounding, together with the distance the water-pipes are from the said location; if, in the judgment of the Water Board, the well and pump are requisite to the public good, the Water Engineer shall forthwith cause the work to be done by contract to be given to the lowest responsible bidder, after due notice for proposals shall have been published in two of the daily papers of the city, and when completed he shall apportion the expense on all the assessable property which, in his judgment, will be benefited by the erection of said pump or sinking said well. The Water Engineer shall make or cause to be made a correct list of the persons who are liable to pay said apportionment, and the amount to be paid by each person; provided, that all property which may be supplied with hydrant water shall be exempt from any such assessment; and the said Water Engineer shall not assess any person having a private pump in

Ibid., Sec. 50.

Application for.

Water Engineer to examine and report

Contract.

Assessment on persons benefited.

in good order more than one-half the cost for which said person would otherwise have been liable; he is also hereby directed to deliver to the Water Registrar a duplicate of such list under his hand and seal, with directions for collecting the same, nevertheless correcting any mistakes; the Registrar shall collect the same through the agency of the collectors of water-rents for the use of the city, under the direction of the Water Board, adding ten per cent. as commission for said collection, by distress or otherwise, and pay the amount to the City Registrar.

Collection of assessments.

City Code, 1893, *Art.* 54, *Sec.* 51.

Bills to be sent to parties assessed.

63. It shall be the duty of the Water Registrar, immediately upon receiving from the Water Engineer any assessment made for sinking wells or erecting pumps, to furnish each of the persons assesed with a bill of his, her or their proportion of the expense assessed as aforesaid; and if the person or persons so charged shall not pay the same within sixty days after the bills have been delivered, it shall be the duty of the Water Registrar forthwith to proceed to enforce payment according to law.

City Code, 1893, *Art.* 54, *Sec.* 52.

Repairing or deepening of wells and pumps.

64. Whenever any public pump or well within the limits of the city shall require to be repaired or deepened, it shall be the duty of the Water Engineer, upon the application in writing of any seven proprietors of houses or lots, who may be liable to be assessed for such repairs or deepening of such wells, to cause the same to be done, and to assess the expenses thereof on the property benefited thereby, and the Water Engineer shall also issue his warrant to the Water Registrar, who shall collect the same in the manner

provided for collecting the expense of new pumps and wells.

65. If any person shall think himself or herself aggrieved by the pump tax herein directed to be levied, he or she may, within ten days after being furnished with his or her account, appeal in writing to the Water Board, which is hereby authorized and directed to nominate and appoint three persons of integrity and ability, not interested or related to the parties, to examine the assessment or tax, and either alter or confirm the same, as they or any two of them may determine, and shall return the same to the Water Board with their decision in writing, which shall be final and conclusive; and each of the persons so appointed shall be entitled to one dollar for his service as aforesaid, to be paid by the person or persons appealing, in case the first assessment should be confirmed, otherwise it shall be charged in the expenses of erecting the pump, and levied and collected in the same manner as other charges thereof.

Ibid., Sec. 53.

Appeals from levy of pump tax, how heard and decided.

ARTESIAN WELLS.

66. The provisions of the preceding Sections, 62 to 65, are hereby made applicable to the construction of artesian wells as fully as to the ordinary wells and pumps; provided, that the petitioners shall be responsible for all expenses that may accrue from sinking such artesian well, if a failure should take place in the attempt to procure water.

Ibid., Sec. 54.

How constructed and paid for.

CARE OF PUMPS AND FIRE-PLUGS.

City Code, 1893, Art. 54, Sec. 55.

Account of cost of keeping them in repair.

67. The Water Registrar is hereby authorized to draw on the Register of the City for such sums as may be necessary to keep such wells and pumps in repair, as may subserve the public good; provided, that no greater sum shall be expended in any one year than that which shall be appropriated for repairs; the expense whereof shall be borne by the corporation; and the Water Registrar shall, once in every three months, render to the Water Board a just and true account of all money by him expended in repairing or deepening pumps and wells, with vouchers for the same.

Ibid., Sec. 56.

Water Engineer to examine pumps.

Of what material to be constructed.

68. It shall be the duty of the Water Engineer to examine every pump before it is put into the well, and ascertain whether the work and material be of good quality, and also see that all wells, when completed, are of at least five feet in diameter, clear of the walls; in all public pumps hereafter repaired or constructed, the platforms shall be of stone, and all new pumps shall have metal nozzles with screws corresponding with those on the hose used by the Fire Department.

Ibid., Sec. 57.

Injury to pumps and plugs.

69. If any person or persons shall wilfully break, defile, remove, deface, or carry away the handle, or ladle, or cover, or obstruct any pump standing in the streets, lanes or alleys of the city, or otherwise damage or injure the same, or injure or deface any fire-plugs, every person so offending, or aiding, or assisting in such offense, shall forfeit and pay a sum not exceeding twenty dollars.

70. The Water Board is hereby authorized and empowered to receive all such wells and pumps within the city limits, as have been erected by individuals who are willing to cede the same to the corporation; provided, such wells and pumps be so situate that at the time of receiving them they are of public utility, and in good order.

City Code, 1893, Art. 54, Sec. 58.

Water Board may accept private wells and pumps.

ASSESSMENT FOR SINKING WELL OR ERECTING PUMP.

71. Whenever a new well shall be sunk, or pump erected, which may require an assessment on property, to defray the expense thereof, and the Water Engineer shall have made the assessment, and returned the same to the Water Registrar, and a copy thereof to the Water Board, said Registrar is hereby authorized to pay to the person or persons employed to do the work, or furnish materials for new wells or pumps sunk or erected, the amount of his or their respective bills, in ninety days after he shall have received the certificate of the Water Engineer that the work has been performed in accordance with the contract made, and that the materials furnished were duly delivered and approved; provided, that nothing herein contained shall be so construed as to allow any expense for repairs of wells and pumps to be incurred, which shall cause an excess of expenditure beyond the amount of the annual appropriation for the repairs of wells and pumps.

Ibid., Sec. 59.

How cost of erecting new wells and pumps shall be paid

REMOVAL OF PUMPS.

72. The Water Engineer is authorized to remove all pumps which upon examination may be found to be of no practical use within the limits of the city; pro-

Ibid., Sec. 60.

Water Engineer may remove.

vided, two-thirds of the owners of property and residents within the distance of one square of the pump proposed to be removed shall first give their written consent to said removal.

City Code, 1893, *Art.* 54, *Sec.* 61.

Wells to be securely covered.

73. When the Water Engineer shall remove any pumps he shall have the wells securely covered with stone platforms not less than two feet below the kerb, filled with dirt and repaved; the expense thereof to be taken from the appropriation for the repairs of pumps.

Ibid., *Sec.* 62.

Granite or marble to be placed over site of removed pumps.

74. The Water Engineer is authorized and directed to have a piece of granite or marble not less than twelve inches square placed in the pavement near or about the centre of the wells where pumps have been or may hereafter be removed from the public streets, lanes or alleys in the city.

Ibid., *Sec.* 63.

Penalty for failure to replace such granite or marble.

75. If any person or persons shall remove said stone or mark for the purpose of repairing the pavement, or for any other purpose, and refuse or neglect to replace it, said person or persons shall be subject to a fine of five dollars for each and every offense.

PIPES OR SEWERS NOT TO BE INTRODUCED INTO WELLS.

Ibid., *Sec.* 64.

Penalty.

76. If any person or persons shall introduce a pipe or sewer into any of the wells belonging to the city for the purpose of draining water-closets, or for any other purpose whatever, each and every person for each and every such offense shall forfeit and pay a

sum not exceeding twenty dollars, to be paid to the Register for the use of the Water Department.

OBSTRUCTION OF PUMPS, HYDRANTS OR FOUNTAINS.

77. It shall not be lawful for any person or persons to place any hogshead, barrel or cask for the purpose of filling the same so near any public pump or hydrant as to be an obstruction to citizens going to and from the same, or by any other method obstruct the free use of the water in any pump or hydrant; but all hogsheads, barrels and casks shall be placed at a distance of at least ten feet from any pump or hydrant under a penalty of not more than five dollars or less than one dollar. *Ibid., Sec. 65.* Penalty.

78. If any person shall clean, scale or wash any fish, meat, clothes, or any other thing which may be liable to create a nuisance, or render the street, lane or alley foul or unclean near any of the public pumps, springs or fountains in the city, every person so offending shall forfeit and pay a sum not exceeding five dollars. *City Code, 1893, Art. 54, Sec. 66.* Nuisances near public pumps or fountains.

LAKES AND RESERVOIRS IN DRUID HILL PARK.

79. With a view of increasing the storage of water for the supply of the city by the construction of lakes and reservoirs in Druid Hill Park and the land adjoining thereto, the Park Commission, under the direction of the Water Board, is authorized to lay a pipe from Hampden Reservoir, or from the conduit to a reservoir or reservoirs within the park (to be con- *Ibid., Sec. 67.* Pipes from Hampden reservoir.

structed by the Park Commission), and to keep the latter supplied with water from the former, under the control of the Water Board, having regard to the exigencies of the city, it being understood that the Park Commission will appropriate to the use of said Board for a still further storage of water any land under the control of the Park Commission outside of the limits of the park, not affected by any existing agreements, and the Park Commission is hereby authorized to make such appropriation.

Ibid., Sec. 68.

Pipes in Druid Hill Park.

80. For the purpose of supplying such portions of the city as cannot be supplied from the present reservoirs, the Water Board shall have power, at their discretion, to use any of the reservoirs or lakes in Druid Hill Park, and to open the ground and lay down pipes in the said park as they are now authorized to do within the limits of the city; provided, that the Park Commission shall be consulted in the location of said pipes, and that the same shall be agreed upon by the two commissions.

WATER STOCK.

City Code, 1893, *Art.* 54, *Sec.* 69.

Ord. 91, *May* 25, 1882.

Annual tax for water stock.

81. The sum of one-half cent shall be annually levied on each one hundred dollars of the assessed value of property in the city of Baltimore, and in like proportion for a greater or less amount, and the proceeds of such tax shall, when collected, be paid over to the Department of Finance, to be by it applied to the creation of a sinking fund for the redemption of the stock or bonds issued under ordinance approved May 25, 1882, until the same, with its accumulated interest, shall be sufficient to discharge the said loan.

CITY CONTRACTS.

82. All advertisements emanating from the different departments of the city government shall be published in at least one German paper of the city, and in the selection of such paper they shall give preference to the paper having the largest circulation, provided the prices be the same as those charged by the other papers.

City Code, 1893, *Art.* 1, *Sec.* 55.

Advertisements to be published in one German newspaper.

83. Whenever the city officers, or any of them, shall advertise for sealed proposals for any public work or contract of any kind whatsoever, pursuant to existing ordinances or resolutions, or to such as may hereafter be passed, it shall be the duty (unless it is otherwise provided by special ordinance) of such officers so advertising to lay the sealed proposals received by him or them, according to the advertisement, before the Mayor, who, with the Comptroller and Register, shall proceed to open them, and award in all cases to the lowest bidder of known capacity, responsibility and integrity, whose security for the execution of the work according to the contract, as the case may be, in the judgment of the Mayor, Comptroller and Register, or a majority of them, shall be sufficiently responsible to insure the performance of the work or contracts, according to the stipulations thereof, respectively; provided, however, that no bid shall be opened from any person who has heretofore failed in the performance or due execution of any contract he may have been engaged in with the corporation of Baltimore.

Ibid., *Sec.* 56.

How awarded.

Ibid., Sec. 56a. (Suppl.)
Ord. 3, Dec. 14, 1892.
Ord. 52, April 18, 1893.

Contracts for work, supplies or materials to be advertised for.

84. Hereafter in contracting for any public work or the purchase of any supplies or materials for the city of Baltimore, by the City Commissioner's Department, the Street Cleaning Department, the Harbor Board, Water Board, Jail Board, Trustees of the Poor, or by any of the city departments, proposals for the same shall be first advertised for in two or more daily newspapers published in said city, for not less than ten or more than twenty days, and the contract for doing said work or furnishing said supplies or materials shall be awarded by the Mayor, Comptroller and Register, or by such department as is now required to award such contract, to the lowest responsible bidder; provided, that proposals need not be advertised for in contracting for any public work or the purchase of any supplies or materials for the city of Baltimore when any repairs or supplies are not in excess of two hundred dollars.

Proviso.

Contracts not in excess of $200 need not be advertised for.

City Code, 1893, Art. 1., Sec. 57.

Opening of bids.

85. All such proposals shall be opened at such time and place as may be publicly designated by advertisement, in the presence of such persons as may choose to attend.

Ibid., Sec. 58.

Bonds from contractors.

86. For all contracts made under the provisions of the three preceding sections, the Register is hereby required to take bonds of the contractors, certified by the Comptroller, to be with good and sufficient security, and to be approved by the Mayor, for such sum as, in his judgment, may be adequate to secure their fulfillment.

87. Hereafter, in all cases where any bond shall be taken from any contractor for the execution of any work to be done under or by virtue of any ordinance or resolution of the Mayor and City Council, or by any authority thereof, there shall be inserted in said bond, and as one of the conditions thereof, an express stipulation on the part of such contractor that he will defend, indemnify and save harmless the Mayor and City Council of Baltimore against any suit or suits, loss, damage or expense, to which the said Mayor and City Council of Baltimore may be subjected by reason of any default or negligence, want of skill, or care on the part of such contractor, his agent or employees, or of any sub-contractor, in or about the performance and execution of said work.

Ibid., Sec. 59.

Ord. 52, *May* 23, 1879.

Conditions in bond.

88. The Comptroller shall examine all contracts made by the city officers, and he shall report within thirty days after the meeting of the Council in an annual session, all contracts made by the corporation as directed or authorized by the Council, and not performed or completed or upon which any money remains unpaid, with the amount of money remaining unpaid on each.

Ibid., Sec. 60.

Comptroller to report annually as to contracts.

89. The Mayor, and the various departments entering into contracts with individuals to perform any public work for the city of Baltimore, shall insert a clause in each of said contracts compelling each contractor to pay all mechanics or laboring hands employed by the day once each week; and for the failure to comply by said contractors, the said day hands may file their bill, under oath, with the proper department, for the number of days so employed, not to

Ibid., Sec. 61.

Res. 242, *Oct.* 28, 1880.

Res. 15, *Feb.* 16, 1885.

Mechanics to be paid weekly.

Remedy.

exceed one week; and it shall be the duty of said department to pay said day hands and charge the same to the contractor or contractors, and deduct the same from any money that may be due to the said contractor or contractors. The heads of departments and commissioners of the city government are hereby directed that in the letting of contracts and in the execution of all kinds of mechanical work required for their several departments, preference in all cases shall be given to the mechanics and manufacturers of Baltimore city.

City mechanics and manufacturers.

City Code, 1893, *Art.* 11, *Sec.* 32.

90. The Mayor, Comptroller and Register are hereby requested to adopt a system of keeping the accounts in the different departments of the city government as will fully protect all the interests of the city, and to devise a system of checks by which each department shall be held responsible for all the receipts and expenditures. No money shall be paid out for any purpose in any of the departments, except through a warrant of the Comptroller upon the City Register, and all moneys received for any object or purpose whatever shall be turned in to the City Comptroller, excepting that received by the tax department, and by him delivered in turn to the City Register.*

System of accounts.

*For the due execution of Section 91 the following rules were adopted by the Mayor, Comptroller and Register on February 19, 1877 :

1st. That the several departments of the city government, whenever the sum of money received by them respectively shall amount to five hundred dollars, shall report the same to the City Comptroller, specifying the source or sources from which it was received, and obtain from him a receiving warrant to pay such money to the City Register; provided, that no department shall be required to make more than one payment on any one day; and provided, further, that all of the departments that may receive money as revenue shall, on the first Wednesday of each month, pay over to the

91. It shall not be lawful for any officer, agent or employee of the city of Baltimore, or for any commissioner or board of commissioners elected, or appointed by the Mayor and City Council, to order any work to be done or supplies to be furnished for the use of the city of Baltimore, or of any department or officer of the city, unless such order shall be given in writing and signed by the person giving such order.

City Code, 1893, *Art.* 11, *Sec.* 34.

Ord. 85, *Oct.* 6, 1879.

Written orders for work and supplies.

City Register, on the receiving warrant of the Comptroller, such sum as may respectively be in their possession.

2d. That each department shall take duplicate bills of every item of expense it may contract for or incur, one of which shall be retained and filed in the department, and the other bill or voucher, with a warrant from such department on the Comptroller for the payment of the same, shall be sent to the City Comptroller; provided, that the pay rolls of each department may be drawn in favor of its proper accredited officer; such pay roll, however, to be filed in the office of the Comptroller as are other bills or vouchers; andprovided, further, that in cases of contracts in which money may be payable on account, the department having a contract in charge shall take duplicate receipts, one of which shall be retained, and the other, with a warrant on the Comptroller, shall be sent to that officer.

3d. The offices of the Comptroller and the Register shall be open on Tuesday and Friday of each week, from 9 o'clock A.M. to 2 o'clock P.M., for the issuing of warrants and the payment of the same, respectively; and that all warrants issued by the departments for the payment of money, with accompanying bills or vouchers shall, if required by the Comptroller, be deposited in his office before 12 o'clock M. on the day preceding the day of payment, to the end that the same may be audited and warrants issued without much detention on the day of payment; provided, that so much of this rule as may require a deposit in advance of the day of payment shall not apply to bills or warrants for the sum of ten dollars or less.

4th. The teachers and officers of the public schools, city officers, officers of the courts, as well as the expenses of the courts, shall be paid as provided by existing ordinances.

5th. Much embarrassment has been experienced in the filing and in the examination of papers on file, in consequence of many bills or vouchers being written on small slips of paper, therefore, no bill or voucher will be recognized at the office of the City Comptroller that measures less than seven inches by three and one-half inches, and which is not written in ink.

Ibid., Sec. 35.
Ibid.

Official memoranda of such work and supplies.

92. There shall be kept in the office of each and every officer, agent, employee or board of commissioners who may order work to be done or supplies to be furnished, and for which payment is to be made by the Mayor and City Council of Baltimore, an official copy or memoranda of each and every order issued for work or supplies, with the probable cost of the same, which official copy or momoranda shall at all times be open to the inspection of the Mayor, Comptroller and members of the City Council of Baltimore.

Ibid., Sec. 36.
Ibid.

Comptroller not to pay except upon written order.

93. It shall not be lawful for the Comptroller of the city of Baltimore to honor any bill or warrant for payment for work done or supplies ordered for the use of the city of Baltimore, or of any department or officer of the city of Baltimore, unless the written order for such work or supplies, signed by the person ordering the same, shall accompany the bill or warrant for payment.

DECISIONS.

Graff *vs.* Mayor, etc., 10 Md., 544.

How far city liable in case of inquisition and judgment of condemnation of land when no payment or tender of the valuation.

The act of 1853, Chapter 376, for supplying the city with pure water, authorized, in order to the condemnation of land for that purpose, a jury to be summoned and sworn "to inquire into, assess and ascertain the sum or sums of money to be paid by" the city authorities for the property "which they may deem necessary to purchase and hold or use for the purpose," whose inquisition shall be returned to the Clerk of the Circuit Court of the county where the property is situate, and "shall be confirmed by said court at its next session, if no sufficient cause to the contrary be shown, and such inquisition shall describe the property taken or the bounds of the land condemned, and the quantity or duration of the interest in the same valued to the" city—"and such valuation when paid or tendered to the owner or owners of" the property "shall entitle" the city "to the use, estate and interest in the same thus valued as fully as if it had been conveyed by the owner or owners."

Under this act an inquisition was taken and duly confirmed by the proper court, valuing the damages to George U. Graff for the taking and use of his property at $30,000, but the city before payment or tender of this sum abandoned the design to use the property and refused to pay the amount so awarded, and upon appeal to the Court of Appeals from an order refusing a mandamus to compel such payment it was held by the Court of Appeals, that:

1. The judgment of condemnation decides the value of the land from which there is no appeal directly to the the Court of Appeals, and consequently its propriety cannot be inquired into in this collateral way.

2. The city is not bound by the mere inquisition and judgment of condemnation thereon, and could rightfully abandon the location in question; payment or tender of the valuation is necessary to give the city title to the property.

3. The city may be made liable, in another form of proceeding, to George U. Graff, for any loss or damage he may have sustained by reason of the conduct of the city authorities in the premises.

Mayor, etc., Baltimore *vs.* Pennington & Hudson, 16 Md.

Obligation on City to keep the streets free from Obstructions.

Held before the establishment of the Police Board, that the corporation of the city of Baltimore having, by its charter, power "to prevent nuisances," was

liable in damages to the owner of a horse for an injury done the horse, occasioned by the digging of a trench or hole in a street of the city, into which the horse fell, the driver having used reasonable and proper care and diligence to avoid the danger; and that the facts that the trench was dug by the owner of a house fronting on the street, for the purpose of conducting water to his premises from the water-pipes of the city, and that by the city ordinances on the subject, the necessary excavation, filling up and paving was to be done by such owner, did not relieve the corporation from the obligation under its charter to keep the public highways free from nuisances and in a condition to be safely traveled.

Decided January 26, 1860.

Kane *vs.* Mayor, etc., 15 Md., 240.

Condemnation of Water Course and Use of Water.

The Act of 1853, Chapter 376, authorized the city of Baltimore to purchase or acquire title to property by condemnation, not for all purposes, but "for the purpose of conveying water into said city for the use of said city, and for the health and convenience of the inhabitants thereof."

Under this law the city may acquire, by condemnation of the bed of a stream or water-course, a right to the use of the water in perpetuity, but the use must be one specified in the act.

Such a condemnation confers on the city the use and occupation of the stream for the purposes mentioned

in the act, but leaves in the owner all such use of it as does not injuriously interfere therewith.

The owner has the right to use the water in the manner it has been customary to use it at his mill built on the stream so condemned, so far as that use may not interfere with the use of the same by the city authorities for supplying the city with pure water.

Decided March 5, 1860.

Mayor, etc., *vs.* Holmes, 39 Md., 243.

Negligence in laying Mains and thereby obstructing the street.

In July, 1872, the city of Baltimore, through its Water Department, was engaged in laying water mains along a portion of the west side of Charles street, the whole work, including the excavating and repaving, being done in five days.

The plaintiff (Thomas Holmes) was employed to haul material from a house on the west side of Charles street, above Saratoga street, and coming to the house on July 4th for a load, found a ridge of stones, occasioned by the work referred to, along the west side of the street in front of and beyond the house. At this time he made no attempt to cross over the stones, but stopping his horse on the east side of the street, carried the materials, with the assistance of persons working in the house to the cart.

On the 8th of July the street being obstructed as before, he made his first load in the same manner, but

on his return for a second load, not finding any one to help him and the materials being heavy, he attempted to lead his horse over the stones; while so doing the horse stumbled and in falling struck the plaintiff (Thomas Holmes) on the leg and broke it. The horse was sound and steady and Holmes was leading him carefully.

The plantiff having brought suit against the city for damages, the defendant offered evidence that Holmes had been cautioned by the owner of the materials to be careful in crossing the ridge, because he thought it was dangerous; and that the work which caused the obstruction had been carefully and promptly done by experienced and competent workmen.

At the trial, the Court submitted the question of negligence, both on the part of the plaintiff, (Thomas Holmes,) and of the defendant, (the Mayor and City Council of Baltimore,) to the jury.

Verdict and judgment being for Thomas Holmes, on appeal by the city to the Court of Appeals, it was held by that Court: That this instruction of the Court below was proper; the act of Thomas Holmes not being contributory negligence in law.

Negligence is the want of such care as men of ordinary prudence would use under similar circumstances; and the question as to whether the act of a party amounts in law to negligence depends upon the danger which might reasonably be expected to result therefrom.

Decided January 16, 1874.

In the case of Ruppert and Bandal *vs.* Mayor and City Council of Baltimore, 23 Md., 184.

It was decided that when the owners of houses and lots in a certian district of the city make application (under Ordinances No. 40 of 1850 and No. 11 of 1855, Code 1893, Article 54, Section 54) to have an artesian well dug, they alone are responsible to the contractors for the expense incurred when there is a failure to strike water and this although the contract is made by the city.

Decided June 9, 1865.

Taylor, et al, *vs.* Mayor, &c., 45 Md., 576.

Condemnation of Lands and Assessment of Damages in case of Tunnel, and Use of Surface of the Land.

In pursuance of the power conferred upon the corporation by the statutes, the Mayor and City Council of Baltimore in the course of the work for introducing into the city a supply of water from the Gunpowder River, undertook to lay a tunnel through land belonging to Elijah G. Taylor, in Baltimore County, 79 to 120 feet below the surface.

Upon the return of the inquisition by the jury, Taylor objected to its confirmation and asked the Circuit Court for Baltimore County to determine, as a matter of law, that the measure of damages could not be less than the market value of the land, estimated according to the value at the surface.

On appeal to the Court of Appeals it was held by

that Court: that power is conferred by the law, to subject such land as it may be necessary to take, to precisely the use and occupation that may be necssary to accomplish the purpose and end designed; that is, to introduce water in the city limits.

The construction of the tunnel at the depth of seventy (70) feet does not prevent the occupants of the land on the surface from using and cultivating the the land, and as the city does not need and cannot use the surface, it should not be required to pay for it.

The Act of 1876, Chapter 19, gives the right of appeal in these cases, but it limits it expressly to "matters of law."

Decided by Court of Appeals, February 23, 1877.

Mayor, etc., Baltimore *vs.* Appold, 42 Md., 442.

An attempt to carry into a stream an artificial supply of water to the extent of ten millions (10,000,000) of gallons in every twenty-four hours, is a user inconsistent with the common enjoyment of the stream by all other riparian owners.

And being an unreasonable and unauthorized use of the stream, an action will be by the party whose rights are so invaded, even though he may not have suffered any actual damage.

The jurisdiction of courts of equity, in cases affecting the rights of riparian proprietors, is well established, and rests on the necessity of granting relief to

prevent permanent and lasting injury; or where full and adequate relief cannot be had at law, or where it is necessary to prevent a multiplicity of suits and vexatious litigation.

Appold's bill for an injunction to prevent the introduction of an artificial supply of water into Roland's Run, flowing through his land, as before stated, alleged that he was credibly informed and verily believed that the introduction of the proposed additional quantity of water would cause the stream to overflow its banks, render valueless his land and cause great, continual and irreparable damages, etc. Held by Court of Appeals, that:

1. The averment that he was "credibly informed and verily believed," together with the statement of facts on which his belief was founded was sufficient.

2. He was not obliged to wait till actual damage was sustained, nor was he bound to obtain the opinion of scientific persons as to the probable consequences resulting from this artificial addition of water.

3. It would not be enough that the injunction should merely enjoin the introduction of the proposed additional supply in such a way or to such an extent as would cause the stream to overflow its banks or would interfere with the ordinary use of the stream by Samuel Appold.

Decided June 3, 1875.

In Woodyear *vs.* Shaefer, 57 Md., 1, it was held that a prescriptive right to maintain a public nuisance cannot be acquired; that a slaughter house is *prima facia* a nuisance.

That it may become a nuisance although not one originally, by houses being built near it; that the riparian owner has the right to have the stream come to him in its "natural purity" is co-equal with his right to an undiminished flow; that even where a "prescriptive right to pollute a stream has been gained it can only be maintained to the extent that it is shown to have injuriously affected the interest complaining;" that it is no answer to a complaint of a nuisance that a great many others are committing similar acts of nuisance upon the stream, for each and every one is liable in a separate action to be restrained or they may all be joined in one action; that the remedy is by injunction "wherever the nature of the injury is such that it cannot be adequately compensated by damages, or will occassion a constantly recurring grievance."

Decided June 30, 1881.

The Mayor and City Council *vs.* the Warren Manufacturing Company, *et al*, 59 Md., 96.

Riparian Rights, Nuisance, Bill for Injunction.

In this case the Mayor and City Council of Baltimore applied for an injunction against the defendant to restrain them from polluting the Gunpowder River, the source of supply of water to the city for drinking and other purposes. The court below refused to grant the injunction, and on appeal the Appellate Court reversed the order refusing the injunction in so far as the allegations of the bill showed because "the ex-

istence of the privies and hog-pens on the stream above the lake of the complainants. The Court of Appeals says that "the source of pollution should be restrained; and even though there be other sources of pollution or that many other persons are committing the same sort of nuisance, it forms no reason why this particular cause or source of pollution should not be restrained."

Decided July 13, 1882.

In the case of Helfrich *vs.* Cantonsville Water Company, 74 Md., 269, it was held that:

1. As it appeared from the evidence that Helfrich was using his lot for the pasturing his cows, in the way a proprietor under ordinary circumstances might reasonably use his property, a water company could not obtain an injunction to prohibit him from allowing his cows to enter the stream and befoul it, although the water company was the owner of lot lower down on the stream and had erected a dam, etc., for the purpose of supplying pure water to its customers.

2. That Helfrich's right to use his lot in the ordinary way for the pasturing of his cows was in no way abridged by the incorporation of the water company nor had the Legislature any power to abridge that right, for his right so to use his lot was a right of property protected by the Declaration of Rights; but the water company had power under its charter to acquire the water right by condemnation and payment of due compensation.

NOTE.—The Court says that they are not unmindful of that class of cases where the pollution of a stream is caused by the acts of one of the riparian proprietors, such as *e.g.* the drainage of privies into the stream, but they point out that this case does not come within those classes.

Decided June 16, 1891.

RESOLUTIONS

ADOPTED BY THE WATER BOARD RELATING TO CERTAIN CHARGES FOR WATER SERVICE.

Resolved, That the charges for the fire-plugs in the county be uniformly twenty-five ($25) dollars each per annum. Adopted April 9, 1883.

Resolved, That the charges for extra families and blacksmiths be abated. Adopted October 29, 1883.

Resolved, That after July 1, 1887, water by meter rates will not be allowed at a less charge than ten ($10) dollars per annum, payable quarterly. Adopted June 2, 1887.

Resolved, That for each motor running not more than two fans the charge be twenty-five ($25) dollars, and for each additional fan five ($5) dollars. Adopted March 6, 1889.

Resolved, That notice be served from the Water Board on the Builders' Exchange and on each of the other elevator buildings of this city that application must be made to the Water Department before contracts are consummated to ascertain if sufficient water can be furnished for motive power. Adopted December 8, 1890.

Resolved, That the Chief Engineer is directed in future to give but one tap from the city mains for each ordinary dwelling house. Adopted February 9, 1891.

Resolved, That all gas-engines be rated at ten ($10) dollars each per annum. Adopted November 19, 1891.

Resolved, That the Water Board upon recommendation of the Engineer's Committee decline in future to grant supplies for elevator and motor purposes from the middle service or Jones' Falls supply. Adopted August 10, 1891.

Resolved, That in consequence of the large and increasing demand on the water mains of the city causing such a decreased pressure as seriously to interfere with the use of the water for domestic purposes, until further notice no permits will be granted for water to be used as motive power for elevators and water motors. Adopted June 6, 1892.

WATER STOCKS.

ACTS AND ORDINANCES UNDER WHICH WATER STOCKS ISSUED.

REDEMPTION OF $5,000,000 LOAN, KNOWN AS "BALTIMORE WATER STOCK."

Act of Assembly of 1876, *Chapter* 237.

An Act to authorize the Mayor and City Council of Baltimore to issue city stock, for the purpose of redeeming the five million loan, known as Baltimore Water Stock, redeemable at pleasure on and after the first day of May, eighteen hundred and seventy-five, and to provide for the payment of all taxes, State, Federal or otherwise, to which said stock or the interest thereon may be liable, and to reduce the rate of interest on the indebtedness of the said city.

SECTION 1. Be it enacted by the General Assembly of Maryland, That the Mayor and City Council of Baltimore be and it is hereby authorized to issue stock or bonds of the said city, to an amount not exceeding five millions of dollars, and to make provision for the redemption of the said stock, and for the payment of the interest thereon, at such time and in such manner as to it shall seem best; provided, however, that the rate of interest to be paid on the same, shall not exceed five per centum per annum.

Stock to amt. $5,000,000.

Redemption of stock.

Interest, 5 per centum per annum.

Redemption of stock of '75.

SEC. 2. And be it further enacted, That the proceeds of the sale of the said stock or bonds shall be applied to the payment and satisfaction of that portion of the indebtedness of the city of Baltimore, commonly known as the water stock of eighteen hundred and seventy-five, which said loan was made payable at the pleasure of the said city, on and after the first day of May, eighteen hundred and seventy-five, and in consideration of the reduced rate of interest which the said stock is to bear, the said Mayor and City Council of Baltimore are hereby authorized to provide for the payment of all taxes, State, Federal or otherwise, which may be imposed upon the said stock, or to which it may be liable at the time of its issue, or upon the interest or income to be derived from the same.

Payment of taxes by city.

Ordinance to be approved by voters.

SEC. 3. And be it further enacted, That no stock shall be issued under the provisions of this Act, until the ordinance of the said Mayor and City Council, authorizing the same, shall have been submitted to and approved by the legal voters of the city of Baltimore, in accordance with the provisions of the seventh section of article eleven of the Constitution of Maryland.

Taxes to which holders of certificates of indebtedness legally liable.

SEC. 4. And be it further enacted, That whenever, and as often as it may be necessary hereafter to issue certificates of indebtedness of the said city of Baltimore, either for loans of the said city already created and authorized by law, or for the purpose of redeeming loans of the said city which shall have matured, provision may be made in the discretion of the said

Mayor and City Council for the payment of all taxes, to which the holders of the said certificates shall or may be legally liable; however, that the rate of interest payable on said loans shall not exceed the rate of five per centum per annum.

Interest, 5 per centum per annum.

SEC. 5. And be it further enacted, That this Act shall take effect from the date of its passage.

ORDINANCE IN FORCE.

An ordinance authorizing the issue of stocks or bonds of the city of Baltimore, to the amount of five million dollars, for the purpose of redeeming the various loans, known as the Water Stock of 1875; and also providing for the issue of stocks or bonds for the redemption or negotiation of other loans already created or authorized.

SECTION 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That the Department of Finance shall advertise for the period of thirty days in four of the daily newspapers of the city of Baltimore (one of them in the German language), asking proposals to be made for the purchase of the whole or any part of the stock or bonds by this ordinance authorized to be issued; and the said advertisement shall describe the character of said stock or bonds, and state the purpose of issuing the same, and shall reserve to the said department the right to reject any or all of such proposals as may be made, and shall stipulate that upon the acceptance of any proposal, the party or parties making the same shall, upon notice thereof, deposit with the said Department of Finance five per centum of the amount

No. 65, *June* 30, 1877.

Department of Finance to advertise.

as a pledge and guarantee to the city for the performance on his or their part of the proposed agreement; and within three days after the expiration of the period of said advertisement, the Department of Finance may accept or reject the proposals which shall have been made or accept any one or more of said proposals and reject the remainder thereof; and may thereafter sell such of said stock or bonds as may not have been negotiated for in such manner as in its judgment may be for the best interest of the city; provided, however, that it shall not at any time accept a proposal or make a sale for less than the par value thereof; and the proceeds of all sales of said stock or bonds shall be applied by said department to the payment or redemption of the various loans of the city, known as the Baltimore Water Stock, redeemable at the pleasure of the city after the first day of May, eighteen hundred and seventy-five.

Purchase of stock.

Proviso.

SEC. 2. And be it further enacted and ordained, That the Register of the City be and he is hereby authorized and directed, upon notice from the Department of Finance, and from time to time as the same may be required, to issue certificates of stock or bonds of the city, in such form as the said department may determine upon, to an amount not exceeding five million dollars; provided, however, that the said certificates of stock or bonds shall be issued in sums of one hundred dollars or multiples thereof, redeemable at the pleasure of the Mayor and City Council of Baltimore on and after the first day of July, in the year nineteen hundred and sixteen; shall bear interest at the rate of five per centum per annum,

Issue of stock to amount of $5,000,000.

Redemption.

Interest.

payable semi-annually, on the first day of May and the first day of November; be transferable on the books of the corporation in person or by attorney, upon the surrender of the certificates or bonds by the holders thereof, and be conditioned that the city shall pay all taxes which may be imposed upon said stock or bonds by the State of Maryland.

City to pay State taxes.

SEC. 3. And be it further enacted and ordained, That the sum of two cents shall annually be levied on each hundred dollars of the assessed value of property in the city of Baltimore, and in like proportion for a greater or less amount, and the proceeds of said tax shall, when collected, be paid over to the Department of Finance, to be by it applied to the creation of a sinking fund for the redemption of the stock or bonds hereinbefore authorized to be issued, until the said sinking fund, with its accumulated interest, shall be sufficient to redeem the whole of said stock or bonds.

Sinking fund.

SEC. 4. And be it further enacted and ordained, That whenever and as often as any of the existing loans of the city of Baltimore shall mature and become payable, or whenever any loan or loans heretofore authorized by law are to be negotiated, the Department of Finance is hereby empowered, in its discretion, to issue for such loan or loans, certificates of stock or bonds of the city, bearing the same rate of interest, subject to the same conditions and restrictions, and with the same privileges to the holders and purchasers thereof, as are prescribed and granted in the second section of this ordinance; provided, that the sum thus applied shall not exceed the sum of five million dollars as aforesaid.

Loans payable.

Issue of stock.

Repeal.

SEC. 5. And be it further enacted and ordained, That all ordinances or parts of ordinances inconsistent with the provisions of this ordinance be and the same are hereby repealed.

ORDINANCES REPEALED.

An ordinance to repeal an ordinance entitled "An ordinance authorizing the issue of stocks or bonds of the city of Baltimore to the amount of five million dollars for the purpose of redeeming the various loans known as the Water Stock of 1875, and also providing for the issue of stocks or bonds for the redemption or negotiation of other loans already created or authorized," approved May 23, 1876.

No. 125, *June* 19, 1876.

Repeal.

Be it enacted and ordained by the Mayor and City Council of Baltimore, That the ordinance entitled "An ordinance authorizing the issue of stocks or bonds of the city of Baltimore to the amount of five million dollars for the purpose of redeeming the various loans known as the Water Stock of 1875, and also providing for the issue of stocks or bonds for the redemption or negotiation of other loans already created and authorized," approved May 23, 1876, be and the same is hereby repealed.

The following ordinance was submitted to the voters and duly approved in October, 1876. It is, however, superseded by the ordinance approved June 30, 1887, which is a re-enactment of this Ordinance No. 126, June 19, 1876, omitting (and substituting other provisions for) the provisions relating to taxes and other minor matters, which will be observed by comparing the two ordinances:

An ordinance authorizing the issue of stocks or bonds of the city of Baltimore to the amount of five million dollars, for the purpose of redeeming the

various loans known as the Water Stock of 1875; and also providing for the issue of stocks or bonds for the redemption or negotiation of other loans already created or authorized.

No. 126, June 19, 1876.

SECTION 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That provided this ordinance shall be approved by the popular vote at the election hereinafter directed to be held, as soon as said approval shall have been duly certified to the Mayor, the Department of Finance shall advertise for the period of thirty days in four of the daily newspapers of Baltimore (one of them in the German language), and in at least one of the daily newspapers of the city of New York, asking proposals to be made for the purchase of the whole or any part of the stock or bonds by this ordinance authorized to be issued; and the said advertisement shall describe the character of said stock or bonds and state the purpose of issuing the same, and shall reserve to the said department the right to reject any or all of such proposals as may be made, and shall stipulate that upon the acceptance of any proposal, the party or parties making the same shall, upon notice thereof, deposit with said Department of Finance five per centum of the amount as a pledge and guarantee to the city for the performance on his or their part of the proposed agreement; and within three days after the expiration of the period of said advertisement, the Department of Finance may accept or reject the proposals which shall have been made, or accept any one or more of said proposals and reject the remainder thereof, and may thereafter sell such of said stocks or bonds as may not have been negotiated for, as in

Approval by voters.

Advertisement.

Purchase of stock.

Proposals to be accepted or rejected by Department of Finance.

Proviso.

its judgment may be for the best interest of the city; provided, however, that it shall not at any time accept a proposal for less than the par value thereof, and the proceeds of all sales of said stock or bonds shall be applied by said department to the payment or redemption of the various loans of the city known as the Baltimore Water Stock, redeemable at the pleasure of the city after the first day of May, eighteen hundred and seventy-five.

Redemption of water stock.

Ibid., Sec. 2.

SEC. 2. And be it further enacted and ordained, That the Register of the city be and he is hereby authorized and directed, upon notice from the Department of Finance, and from time to time as the same may be required, to issue stock or bonds of the city in such form as the said department may determine upon, to an amount not exceeding five million dollars; provided, however, that the said stock or bonds shall be issued in sums of one hundred dollars ($100) or multiples thereof; redeemable at the pleasure of the Mayor and City Council of Baltimore, on and after the first day of July, in the year nineteen hundred and sixteen, bearing interest at the rate of five per centum per annum, payable semi-annually on the first day of May and the first day of November, and conditioned that the city shall pay all State, Federal and other taxes which may be imposed upon said stock or bonds, or upon the interest or income to be derived therefrom, or to which the same may at any time be liable; and the said stock or bonds or any part thereof shall, in the discretion of the Department of Finance, be issued as registered stock or as bonds with the coupons attached, transferable by delivery; and the stock or bonds shall be convertible without charge, one to the other, at the pleasure of the holder.

Issue of stock by Register to amount of $5,000,000.

Redeemable on and after July 1, 1916; interest at 5 per cent. per annum.

Taxes.

Registered stocks or bonds with attached coupons.

Sec. 3. And be it further enacted and ordained, That the sum of one cent shall annually be levied on each hundred dollars of the assessed value of property in the city of Baltimore, and in like proportion for a greater or less amount, and the proceeds of said tax shall, when collected, be paid over to the Department of Finance, to be by it applied to the creation of a sinking fund for the redemption of the stock or bonds hereinafter authorized to be issued, until the same, with its accumulated interest, shall be sufficient to discharge the loan. *Ibid., Sec. 3.* Sinking fund.

Sec. 4. And be it further enacted and ordained, That whenever, and as often as any of the existing loans of the city shall mature and become payable, or whenever any loan or loans heretofore authorized by law are to be negotiated, other than those hereinbefore provided for, the Department of Finance is hereby empowered, in its discretion, to issue for such loan or loans, stock or bonds of the city bearing the same rate of interest, subject to the same conditions and restrictions, and with the same privileges to the holders and purchasers thereof as are prescribed and granted in the first and second sections of this ordinance; provided, however, in the absence of special legislation on the subject, not more than two hundred thousand dollars of such stock or bonds shall be disposed of in any one month. *Ibid., sec. 4.* Issue of stock for accrued indebtedness. Proviso—not more than $200,000 of stock to be disposed of in one month

Sec. 5. And be it further enacted and ordained, That this ordinance shall be submitted to the legal voters of the city of Baltimore for their approval or disapproval at the municipal election to be held on the fourth Wednesday of October, eighteen hundred and seventy-six, and each voter who may approve the *Ibid., Sec. 5.* Submission to voters.

adoption of this ordinance shall deposit a ticket or ballot on which shall be written or printed the words, "Five Million Water Loan, for the Ordinance," and each voter who may disapprove the adoption of this ordinance shall deposit a ticket or ballot on which shall be written or printed, "Five Million Water Loan, against the Ordinance."

Ibid., Sec. 6.

Judges of election.

SEC. 6. And be it further enacted and ordained, That immediately after the closing of the polls the judges of election of the several precincts shall count the ballots deposited at said election, and shall properly certify and return to the Mayor the number of votes cast for the ordinance and the number cast against it, and the Mayor shall communicate the same to the Council at its next meeting thereafter.

Ibid., Sec. 7.

Copy of ordinance and notice to be published.

SEC. 7. And be it further enacted and ordained, That a copy of this ordinance and notice of the day of holding the said election shall be published in at least four of the daily newspapers of the city of Baltimore (one of them in the German language) twice a week for two weeks preceding said election.

Ibid., Sec. 8.

Provision for holding election.

SEC. 8. And be it further enacted and ordained, That the City Comptroller be and he is hereby authorized and directed to make all necessary provision for holding said election, and to have tickets of the description hereinbefore mentioned printed and placed at all of the polls of the city on the day thereof; and that the Register is hereby authorized and directed to pay the expenses of said printing, publication and election out of any money in the treasury not otherwise appropriated.

Expenses.

This ordinance was approved by the voters.

BALTIMORE WATER STOCK.

The ordinances which authorized this stock (now redeemed) are as follow:

No. 80, *July* 29, 1854.

Water stock to be issued.

Under and by virtue of the power in them vested by an Act of Assembly, passed January session, 1853, chap. 376, entitled, "An Act for supplying the city of Baltimore with pure water,"[1] the Commissioners of Finance are hereby authorized and directed to issue, in conformity to said Act, certificates of debt to the Mayor and City Council of Baltimore, to be denominated on the face "Baltimore Water Stock," to the amount of one million three hundred and fifty thousand dollars, in sums of not less than one hundred dollars each, all bearing interest at the rate of six per cent. per annum from the first day of November, 1854, and payable half-yearly thereafter, on the first day of May and on the first day of November in each year, and the whole redeemable at the pleasure of the Mayor and City Council of Baltimore at any time on and after the first day of May, in the year one thousand eight hundred and seventy-five; said certificates to be signed by the Mayor and by him sealed with the corporate seal of the city of Baltimore, countersigned and recorded by the Register, and to be in the following form:

Amount.

Interest.

When redeemable.

[1]This Act authorized the issue of $2,000,000. It is amended by the Act of 1866, chap. 38, which authorized the Mayor and City Council, in the name of the city, to issue certificates of debt, to be denominated on the face "Baltimore Water Stock," to an amount not exceeding $4,500,000, bearing interest not exceeding six per cent. per annum, and to provide by ordinance for the redemption of the same at a certain time and under such provisions as the Mayor and City Council may deem expedient and proper. The amount was increased to $5,000,000 by Act of 1870, chap. 24.

1861, chap. 20, authorized the Mayor and City Council to issue certificates of debt to an amount not exceeding $500,000, in addition to the amount authorized to be issued by Section 939 of Article 4 (which authorized certificates of debt to be issued to an amount not exceeding $3,000,000), to be denominated upon their face "Baltimore Water Stock," and bearing interest not exceeding six per cent. per annum, and to provide by ordinance for the redemption of the same.

BALTIMORE WATER STOCK.

Form of certificate.

THIS IS TO CERTIFY, That the Mayor and City Council of Baltimore are indebted to ————————————, in the sum of ———————— dollars, redeemable at the pleasure of the Mayor and City Council of Baltimore, at any time on or after the first day of May, 1875, on the presentation and surrender of this certificate, with interest thereon, in the meantime, at the rate of six per centum per annum, payable half-yearly, on the first day of May and on the first day of November, in each year. This certificate is issued by virtue of the ordinance of the Mayor and City Council of Baltimore, entitled "An ordinance to provide for the purchase and conveyance of certain corporate rights, privileges and franchises, and of certain portions of the real estate and other property of the Baltimore Water Company, to the Mayor and City Council of Baltimore, and their assigns," and is transferable only at the Mayor's office, in person or by attorney, and on the delivery of this certificate to the transferee.

In witness whereof, I, the Mayor of the city of Baltimore, have hereunto set my hand and affixed the seal of the said corporation, this day of , in the year of our Lord, one thousand eight hundred and fifty-four.

[SEAL.] ————————, *Mayor.*

Countersigned and recorded.

————————, *Register.*

Ibid., Sec. 2.

When deliverable.

The said commissioners, as aforesaid, are hereby authorized and directed, as soon as they, the said commissioners, are fully satisfied that the stipulations

and conditions, as hereinafter provided, have been complied with and fulfilled by the president and directors of the Baltimore Water Company, to deliver to the said president and directors, or to whomsoever may be legally empowered to receive the same on their behalf, the certificates of debt to the amount of one million three hundred and fifty thousand dollars, in the preceding section mentioned.

Ibid., Sec. 3.

Water Company to pay interest.

All interest that may accrue upon the whole principal sum of the aforesaid certificates of debt, between the first day of November, 1854, and the day of the date of the delivery of said certificates to the president and directors of the Baltimore Water Company, as hereinbefore mentioned, shall be by said president and directors first paid to the Register of the city, before the said certificates, or any part thereof, shall be so as aforesaid delivered by the said commissioners to the said president and directors.

Ibid., Sec. 4.

Conditions precedent.

The said commissioners shall not deliver to the president and directors of the Baltimare Water Company, the whole or any part of the certificates hereinbefore mentioned, until said president and directors shall first, as conditions precedent thereto, have complied with and fulfilled the following stipulations and provisions, to wit: Provided, first, that the president and directors of the Baltimore Water Company shall make, execute and deliver to the Mayor and City Council of Baltimore, or their assigns, such deed or deeds of conveyance and assurance in the law (to be first approved by the Counsellor of the city) as shall convey to the said Mayor and City Council, and their

First.

assigns, all the property, whether real, personal or mixed, comprised, or intended so to be, within the terms of the proposal of sale and conveyance to the city, made by the president of the Baltimore Water Company, in his communication, bearing date December 1, 1852, addressed to Joshua Vansant, then one of the water commissioners; and provided, secondly, that the said president and directors shall make, execute and deliver, as aforesaid, such deed or deeds, as aforesaid, as shall convey to the said Mayor and City Council and their assigns, all the property, whether real, personal or mixed, situate and lying in Baltimore county, in the State of Maryland, that does or may belong to the said president and directors and is not mentioned or referred to in the proposal of the said president hereinbefore mentioned, save and except the property purchased by said president and directors from the heirs of the late James Beatty, and known as the Eagle works; and provided thirdly, that the said president and directors shall make, execute and deliver, as aforesaid, such deed or deeds, as aforesaid, as shall convey, as aforesaid, all the property, real, personal or mixed, now held by them or to which they may be entitled within the limits of the city of Baltimore, under and by virtue of any indenture or other instrument of writing at any time made, as follows: First, between the president and directors of the Union Bank of Maryland and the president and directors of the Baltimore Water Company; secondly, between Alexander B. Gorman and others and said president and directors last mentioned; thirdly, between Alexander McDonald and Nicholas Ridgely, co-partners, and the

Secondly.

Thirdly.

president and directors last mentioned (save and except so much of said property as has been heretofore conveyed to the president and directors of the Balti more and Susquehanna Railroad), and lastly, all property in said city lying eastwardly of the northwesternmost side of Belvidere street, to which the president and directors of the Baltimore Water Company may be entitled, under and by virtue of any indenture or other instrument of writing between Christian Keener, or between any other person or persons, or body corporate and the president and directors last mentioned; and provided, fourthly, that any deed or deeds hereinbefore provided to be made by the president and directors of the Baltimore Water Company to the Mayor and City Council of Baltimore and their assigns, shall contain a covenant that said president and directors will not (except as is hereinafter excepted and provided), either directly, by themselves or indirectly, through others, exercise or permit to be exercised any of the rights, privileges and franchises they may now have or be entitled to by virtue of any act or acts of the General Assembly of Maryland, or of any supplement or supplements thereto; but said rights, privileges and franchises shall by said deed or deeds, by said president and directors be so conveyed as to be by said Mayor and City Council held and exercised as fully and completely as by said president and directors they could or might have been; and provided, fifthly, that any deed or deeds hereinbefore provided to be made by the said president and directors, shall contain a covenant that the Mayor and City Council of Baltimore shall have and be entitled to all the iron pipes, stop-cocks and other fixtures or

Fourthly.

Fifthly.

materials connected with the distribution of water through the city that the president and directors aforesaid may possess; and to the benefit, at the option of said Mayor and City Council, of any contract or contracts that may by said president and directors have been made for or concerning the making or delivery of the same previously to the day of the date of said last-mentioned deed or deeds; and which deed or deeds shall also contain a further covenant that said Mayor and City Council shall be entitled to receive all water rents and all other rents, tolls or revenues that may from and after the day of the date of said deed or deeds be payable by or accrue from all or any portion of the property hereby provided to be purchased and conveyed; and provided, sixthly, that the president and directors of the Baltimore Water Company shall, simultaneously with the delivery of the deed or deeds hereinbefore provided to be by them made, deliver to the said commissioners all such original accounts, books or manuscripts or transcripts of the same, as to said commissioners and to the Registrar of the City may seem necessary to aid in the collection of the rents, tolls or revenues hereinbefore mentioned; and said president and directors shall, as aforesaid, deliver to said commissioners all such original deeds, plats, memoranda, agreements, receipts or other muniments of title now in possession of said president and directors, or transcripts of the same, properly attested, as may be illustrative or descriptive of all or any portion of the property hereby provided to be purchased and conveyed; said accounts, books, manuscripts, deeds, plats, memoranda, etc., to be deposited by said commissioners in the office of

Sixthly.

said Registrar, to be by him kept as the property of the Mayor and City Council of Baltimore.

Ibid., Sec. 5.

Income pledged for interest.

So much of the net annual rents and revenues of the property hereby provided to be purchased and conveyed, as shall amount to the sum of eighty-one thousand dollars, is hereby set apart and pledged for the payment of the half yearly interest that may from time to time become due, on account of the certificates of debt hereinbefore provided to be issued.

Ibid., Sec. 6.

Relating to purchase of Eagle Works.

Nothing in this ordinance contained shall be so construed as to interfere with or prevent the exercise by the president and directors of the Baltimore Water Company of any rights, privileges or franchises that may be now held or enjoyed by them under any act or acts of the General Assembly of Maryland, or of any supplement or supplements thereto, in or to any of the property of the said president or directors not hereinbefore provided to be purchased and conveyed, save and except in and to the aforesaid property, known as the Eagle Works, in this particular, that is to say: That it is and shall be taken as one of the express conditions of the acceptance of this ordinance by said president and directors, as hereinafter provided, that the said Mayor and City Council shall at any time within twelve months after said acceptance be entitled to receive from said president and directors such conveyance of said property known as the Eagle Works, as is hereinbefore required for the conveyance of any portion of the property hereby provided to be purchased and conveyed; and, in consideration of such conveyance of said Eagle Works,

said commissioners shall be and they are hereby authorized and directed to issue, and to deliver to said president and directors such additional number of certificates of debt, similar to those hereinbefore provided to be issued, as shall represent a sum equal to the purchase money paid by said president and directors for said Eagle Works; and for the payment of the half-yearly interest that may accrue upon said additional certificates, so much of the net annual rents and revenues of the property hereinbefore provided to be purchased and conveyed as may be necessary therefor, shall be and is hereby set apart and pledged.

Ibid., Sec. 7.

Duty of Commissioners of Finance.

The Commissioners of Finance, as provided for in the first section of this ordinance, shall and are hereby directed to review the estimate of the Baltimore Water Company as to the value of the property proposed to be purchased by this ordinance, and also that said commissioners shall confer with Theophilus E. Sickles, the engineer authorized by the Mayor and City Council of Baltimore, to make further surveys, estimates, etc., and with a view to the introduction of a more abundant supply of pure water to the city, and obtain from him his views as the practicability of the present water company's works working in connection with any of the streams he has been engaged in surveying, and that said commissioners shall make a full report, both as to the value of the Baltimore Water Company's property, and if any of said property is not essential to the introduction of a supply of water to the city, and present said report from the engineer as aforesaid, to the Mayor and City Council of Baltimore, on the 11th of September, 1854.

Re-survey.

Ibid., Sec. 8.

Acceptance.

Whenever the president and directors of the Baltimore Water Company shall, in writing, sealed with their corporate seal and signed by the president, have communicated to the Mayor of the city their acceptance of the terms of this ordinance, then the said ordinance shall be of full force and virtue in law.

No. 68, Oct. 19, 1855.

Water stock to be issued.

The Commissioners of Finance are hereby authorized to issue ten thousand dollars of water stock in certificates as provided by above ordinance No. 80, 1854, being part of the two millions stock, as authorized by the Acts of 1853, Chapter 376, and deliver the same to the Register, who shall dispose of the same at not less than par, and place the proceeds thereof to the payment of the pipes as laid down by the present Water Department.

No. 20, Sec. 2, May 13, 1856.

Issue of water stock.

Sold at current price.

The Commissioners of Finance are hereby authorized and empowered to issue fifty thousand dollars of water stock, redeemable after the year 1875, bearing interest at the rate of six per centum per annum, payable semi-annually, on the first day of May and November, transferable as other city stocks are, and sell the same to the highest bidder; provided, the same shall not be sold for less than the current price of other city stocks, after having given public notice; and place the proceeds in the hands of the Register, to the credit of the Water Department.

Ibid., Sec. 3.

Redemption of stock.

For the redemption of the stock to be issued in accordance with the preceding section, as also for the water-stock heretofore issued, and such other as may hereafter be issued in accordance with the provisions

of an Act of Assembly of 1853, Chapter 376, all the surplus arising from water-rents, after paying the interest on water stock, and expenses of conducting and managing the Water Department, shall be paid over to the Commissioners of Finance, who shall invest the same in water or other city stock, at or below par; also, all interest they may from time to time receive thereon; and the said commissioners shall have the transfer made in their name, in trust for the Water Department, and keep a separate account therefor, and make an annual report of all receipts and disbursements on account of stock, and exhibit the certificates thereof to the committee on their accounts; and the faith of the city is hereby pledged that the said stock so invested as a sinking fund, shall in no case be sold, exchanged, or in any way alienated, except for the redemption of said water-stock.

Surplus invest in water or other city stock

Ibid., Sec. 4. There shall be annually levied, for and during the space of twenty years, or for such time as may be necessary for the redemption of the amount of stock authorized to be levied by the Act of Assembly cited in the preceding section, a special tax of one-half of one per cent. on every hundred dollars' worth of assessable property in the city, collections of which tax shall monthly be paid over by the Register to the Commissioners of Finance, who shall invest the same, and report and exhibit, as provided for in the preceding section.

Tax of one-half of one per ct.

No. 32, *Sec.* 2, *June* 25, 1856. The Commissioners of Finance are hereby authorized and empowered to issue ten thousand dollars of water-stock, redeemable after the year 1875, bearing interest at the rate of six per cent. per annum, paya-

Commissioners of Finance to issue water stock.

ble semi-annually, on the first of May and November, transferable as other city stocks are, and sell the same to the highest bidder, at not less than the market price of city stock, after having given public notice, and place the proceeds in the hands of the Register to the credit of the Water Department.

STONY RUN.

The Water Board of the city of Baltimore is hereby authorized and directed to carry into effect the plan of introducing a further supply of water into the city, recommended in a report of the Joint Special Committee on Water, made to the City Council of Baltimore, June 30, 1856, which plan is as follows, that is to say: The water to be taken from Woodbury dam or Jones' Falls at one hundred and sixty-eight feet above tide, and conveyed by a pipe or pipes to reservoirs, to be located in the bed of Stony run, at elevations not less than one hundred and fifty-seven and one hundred and thirty feet above tide, respectively. The cost of pipe, including dam at Woodbury is estimated at one hundred and twenty thousand dollars; the reservoir at an elevation of one hundred and sixty-five or one hundred and fifty-seven feet, estimated at ninety-four thousand five hundred and sixty-three dollars; the reservoir at one hundred and thirty feet elevation, estimated at seventy thousand seven hundred and seventy dollars; to provide for contingencies, twenty-eight thousand five hundred and thirty-three dollars; connections with the present city net-work, seventy-nine thousand nine hundred and ten dollars; the water to be taken from

No. 40, Sec. 1, July 17, 1856.

Water Board.

Woodbury dam.

Cost of pipe.

Paradise Mill. Paradise mill-dam on Stony run, at two hundred and thirty-seven feet above tide and conveyed to a reservoir at two hundred and thirty feet elevation; estimate cost of reservoir, twenty-five thousand dollars; purchase of pipe necessary to convey water from two
Rose hill. hundred and thirty feet reservoir to Rose Hill, fifty thousand dollars, and for the purpose of carrying into effect the powers herein granted to said board they are constituted and appointed the agents of the Mayor and City Council of Baltimore, and are hereby vested with all the authority in regard to the purchase or condemnation of necessary materials, land and water rights granted to the said Mayor and City Council by virtue of the provisions of an Act of Assembly, 1853, Chap. 376; such purchases or condemnation to be in the name and for the use of the said Mayor and City Council of Baltimore, and the said Water Board shall have power to adopt and carry into effect suitable plans for the construction of the works necessary for the introduction of the
Jones Falls and Stony Run. waters of Jones' Falls and Stony Run, agreeably to the plan stated above, and to contract with and employ contractors, engineers and other persons whose services they may deem to be necessary for the construction and superintendence of any of said works, and they shall require bonds, with satisfactory security to be given in all cases, where they may deem the same necessary to protect the interests of the city.[1]

[1] Ordinance No. 3, January 30, 1857, enacted: That so much of the plan of introducing water into the city as recommended in a report of the Joint Special Committee on Water, made to the City Council of Baltimore on the 30th day of June, 1856, as regards Stony Run, be hereby repealed; and that so much of the above ordinance as adopts the plan of the introduction of

Ibid., *Sec.* 2.

Making contracts.

Public notice.

In making any contracts for land or water rights, or for work and material, said contracts, when the sum involved is large, shall be in writing, and approved by the city counsellor as to form, and may be verbal when for small sums, and public notice shall be given in two or more daily papers published in the city of Baltimore, of the time and place at which sealed proposals will be recived for entering into contracts, and no more than one proposition shall be received from any one person or firm for the same contract, and all propositions of the person or firm offering more than one shall be rejected; all sealed proposals for contracts shall be for a sum certain as to the price to be paid or received, and no proposition which is not thus definite and certain, or which contains any alternative, condition or limitation, shall be received or acted on by the Board.

Ibid., *Sec.* 3.

Not to exceed what amount.

Said Water Board shall not, under the penalty of individual liability for any amount exceeding the sum herein appropriated, enter into contracts or engagements for lands, water-rights, materials, work, or any other account herein authorized, to an amount exceeding in the aggregate the sum of eight hundred

water into the city by the way of Stony Run, or makes provision for the purchase or condemnation of land, water or water-rights, or the erection of reservoirs on Stony Run, or appropriates money for any of said objects, be and the same are hereby repealed, saving only such sums as have been already paid or contracted for by the Board of Water Commissioners under said provisions. That the city counseller be requested to oppose and resist the confirmation of any and all inquisitions which may heretofore have been had upon any land, water or water-rights on Stony Run, and which have or may hereafter be returned by the sheriff of Baltimore county to the Circuit Court of said county. See *Graff vs. Mayor, etc.*, 10 Md., 544, as given in decisions.

thousand dollars, of which not more than two hundred and fifty-five thousand dollars shall be expended for land and water-rights on Jones' Falls, or more than seventy thousand dollars for land and water-rights on Stony Run; said water-rights on Stony Run to include all between its confluence with Jones' Falls, up to and including the Paradise mill property, or so much thereof as may be necessary, and in all their contracts and agreements the said Board shall conform as nearly as may be practicable to the estimates made in the report of the joint Special Committee on Water as embodied in the first section of this ordinance.

Ibid., Sec. 4.

Commissioners of Finance to issue stock.

The Commissioners of Finance are hereby authorized and directed to cause to be prepared and issued, from time to time, upon the order of the Water Board, certificates of debt of the city, to be denominated on the face of each certificate "Baltimore Water Stock," said certificates to be in like form and payable at the same time as the certificates heretofore issued by the city for the purchase of the property of the Baltimore Water Company; or to sell said certificates at not less than par, and apply the proceeds upon the order of the Water Board, on being satisfied that the said certificates or proceeds of sale thereof are required for the purpose of carrying into effect the provisions of this ordinance; provided, that the amount of certificates of debt so to be issued shall not exceed in the aggregate the sum of five hundred and eighty thousand dollars.

Not to exceed what amount.

Ibid., Sec. 5.

Sale of property.

If the sum derived from the certificates of debt or sales thereof, under the provisions of the preceding section be insufficient to accomplish the objects herein required, the deficiency shall be provided for by a sale of such of the property purchased of the Baltimore Water Company as may be no longer necessary; and the Commissioners of Finance are hereby authorized to make such sale of said property, or any part thereof, at such time and in such manner as they may deem most expedient, and apply the proceeds thereof, or so much as may be required, in order to effect the purposes of this ordinance.

Commissioners of Finance to make sale.

Ibid., Sec. 6.

Monthly reports to be made.

Reports shall be made on the first Wednesday of each month to the Mayor by the said Water Board, verified by the oaths of the members of said Board, giving a detailed statement of their proceedings under this ordinance, and showing the amount of each expenditure incurred, for what purpose and to whom the payments were made.

Ibid., Sec. 7.

Water Board to take charge of property.

The said Water Board shall take charge of and preserve all the property required under the provisions of this ordinance; and said Board shall be charged with the management and repairs of the water-works (to be erected under the authority hereinbefore given, in the same manner as they are now authorized in regard to the water-works), and other property now owned by the city of Baltimore.

No. 33, Sec. 2, April 27, 1857.

Sale of water stock.

The Commissioners of Finance are hereby authorized and empowered to issue ten thousand dollars water-stock, redeemable after the year 1875, bearing

interest at the rate of six per cent. per annum, payable semi-annually, on the first day of May and November in each and every year, transferable as other city stocks are, and sell the same to the highest bidder at not less than the market price of city stock, after having given public notice, and place the proceeds in the hands of the Register, to the credit of the Water Department.

No. 52, *Sec.* 1, *July* 7, 1857.

Commissioners of Finance to issue and sell six per cent. water stock.

The Commissioners of Finance are hereby empowered and directed to issue and sell so much city six-per-cent. water stock as may be necessary to replace in the city treasury the sum of thirty-two thousand dollars advanced by the City Register and paid into the Circuit Court for Baltimore City, under the order of said court in that behalf, in the case depending in said court of the Mayor and City Council vs. Samuel D. Tonge, James and Hugh Birckhead, Daniel Warfield, Jackson B. Baxley, Reverdy Johnson, Samuel H. Tagart, Thomas Sparks and Charles Slack, and that they pay over the said money so raised to the City Register.

LAKE ROLAND.

No. 53, *July* 11, 1857.

Plan for the introduction of water into the city.

The Board of Water Commissioners are hereby authorized and directed to adopt the plan heretofore reported to the Council by James Slade, Civil Engineer, and now on file in the office of the City Register, for the introduction of water into the city of Baltimore from Jones' Falls by natural flow from a reservoir to be constructed at or near the Relay House, on the Northern Central Railroad, with such modifica-

tions as are rendered necessary by reason of the abandonment on the part of the city of the Stony Run property.

Ibid., Sec. 2.

Land and water rights to be purchased.

Said Water Commissioners are hereby authorized to purchase such additional land and water-rights as may be required to carry out the objects of this ordinance, or to resort to condemnation, should they deem it advisable so to do.

Ibid., Sec. 3.

Mayor to procure from Legislature power to extend water loan.

To issue bonds

How to be disposed of.

In order to carry out the plans and purposes herein contemplated, the Mayor is hereby authorized and instructed to procure from the Legislature of Maryland, at its next session, the necessary power to extend the water loan authorized by an Act of 1853, Chapter 376, from its present limit to three millions of dollars,[1] and to issue the bonds of the city, based upon said credit, to be used by said Water Board in furtherance of the objects of the said Board; said bonds to be disposed of at not less than their par value, in payment of work contracted to be done or materials furnished, or for lands or water-rights obtained in pursuance of the provisions of this ordinance, or in such manner and upon such terms as the Commissioners of Finance, in connection with said Water Board, may hereafter determine and may deem to be most advantageous to the city.

[1] 1858, Chapter 38, provided that for the purpose of extending and increasing the supply of water for the city of Baltimore, the Mayor and City Council of Baltimore shall have authority, in the name of said city, to issue certificates of debt, to be denominated "water stock," to an amount not exceeding one million of dollars, in addition to the amount granted in the Act of 1853, Chapter 376, Section 3; said certificates to bear interest not exceeding six per cent. per annum, and to provide by ordinance for the redemption of the same, at a certain time, and under such provisions as the Mayor and City Council may deem expedient and proper.

Ibid., Sec. 4.

How to enter upon construction of work.

The said Water Board shall have full power and authority to enter upon the construction of said work at such time as they may deem most advantageous, and to employ such engineering aid, and to allow such compensation therefor as is just and reasonable and usual in such cases.

Ibid., Sec. 5.

Property at disposal of the Water Board.

All property now in possession of the city and acquired by purchase from the old water company and unsold, is hereby placed at the disposal of the said Water Board as a part of the fund for defraying the cost of the improvement herein contemplated, to be disposed of by them at such times, in such manner, and upon such terms as they may deem most adviseable; provided, that a sufficient amount of the proceeds of the sale of said property be set apart for the payment of interest during the progress of the work.

Proviso.

Ibid., Sec. 6.

Water rates.

In order to meet the interest upon the capital proposed to be invested in said improvements for the introduction of water into the city of Baltimore, when the whole work shall have been completed, it shall be the duty of the said Board of Water Commissioners to adopt and enforce such system and standard of water rates as they may deem fair and reasonable, to relieve the treasury of the city from any direct tax for the cost of introducing said increase of water.

No. 65, Sec. 2, Oct. 22, 1857.

Commissioners of Finance to issue stock.

The Commissioners of Finance are hereby authorized and empowered to issue five thousand dollars of water stock, in addition to the amount authorized to be issued by ordinance (hereinbefore) No. 33, approved April 27, 1857, redeemable after the year 1875, bearing

interest at the rate of six per cent. per annum, payable semi-annually, on the first day of May and November in each and every year, transferable as other city stocks are, and sell the same to the highest bidder at not less than the market price of city stock, after having given public notice, and place the proceeds in the hands of the Register to the credit of the Water Department; provided, the new Board of Water Commissioners shall deem the execution of this ordinance expedient.

No. 20, *April* 25, 1860.

Commissioners of Water Board to issue notes to complete works.

Amount.

The Commissioners of the Water Board are hereby authorized to issue their notes for a period not exceeding two years for such amount as may be required to complete the works now in progress of construction, and to connect the same with the system of pipes within the city limits, to an amount not exceeding three hundred and fifty thousand dollars, or so much thereof as may be needed; and that so soon as the real estate applicable to said works, and heretofore placed at the disposal of said Board by an ordinance of the Mayor and City Council shall have been disposed of, the same shall be held or invested in city stock, at the pleasure of said Board, to be applied to the liquidation of said notes at maturity—and any deficiency which may appear on the sale of said property shall be provided for from the revenue arising from said works, or in such manner as the Mayor and City Council may hereafter direct, and the credit of the said city is hereby pledged for the prompt liquidation of both principal and interest of said notes at maturity.

Pledge of city credit.

No. 63, July 23, 1860.

Bonds for water works.

In lieu of the amount heretofore authorized to be issued in the notes of the city having two years to run, say $350,000, for the completion of the water works, the Commissioners of Finance are hereby authorized to substitute bonds similar to those heretofore authorized for the construction of said water works, and known as the Water Loan, to the extent of the authority given by above Ordinance No. 20, April 25, 1860, for the construction of the new water works; and said Commissioners are authorized to exchange the bonds hereby authorized to be issued for any notes issued under said ordinance.

No. 42, Sec. 1, May 7, 1861.

To sell land.

The Water Board is hereby authorized to sell at public or private sale, as the said Board may think best, so much of the land, property and other effects as have been acquired by the city for the establishment of the water works as may not be needed for the use of said works.

Ibid., Sec. 2.

Issue notes.

Amount.

The Water Board is authorized and directed to issue notes not exceeding at any time the sum of one hundred thousand dollars, or so much thereof as may be necessary, to complete said water works; the notes to be in such form and payable at such time, not exceeding two years from their date, as the Water Board may direct; provided, the interest on said notes shall be paid semi-annually, on the first day of January and July.

Ibid., Sec. 3.

Property pledged.

The proceeds of the property directed to be sold by the first section of this ordinance are hereby pledged for the payment of said notes, and interest

thereon, as they respectively become due, and in case the said proceeds of sale shall not be realized in time, or shall not suffice to pay said notes and interest as they respectively become due, the revenues arising from said water works are hereby pledged and appropriated for the payment thereof, subject to the provisions of Ordinance No. 80, July 29, 1854.

Revenue pledged.

The Mayor and Register of the City are hereby authorized and required to issue bonds of the city not exceeding in amount one hundred and fifty thousand dollars, to enable the Water Board to complete the works under their charge now in the course of construction; and the Commissioners of Finance are authorized and directed to sell or dispose of the same for the said purpose, in such amounts and on such terms, from time to time, as may be practicable and in their judgment advisable for the interest of the city, and with assent of the Mayor.

No. 63, *Aug.* 1, 1861.

Bonds to be issued for Water Board.

It shall be the duty of the Water Registrar to pay over daily to the City Register each and every sum of money received by him on account of rents or other dues of the said Water Department.

No. 10, *Sec.* 12, *March* 27, 1862.

Pay over daily to City Register

And the Register is hereby authorized and directed to open an account in such bank as the Commissioners of Finance may direct, where all moneys received by the Water Department shall be deposited; the fund so deposited to be withdrawn from said bank as may be required to pay the expenses incurred by the Water Board; and on or before the first day of May and November in each year, a sum sufficient to pay the

Ibid., *Sec.* 12.

Register to open account in bank.

Payment of interest.

interest on the water-stock debt of the city; and after said expenses and the interest on the water stock shall have been paid, the surplus shall be applied on the first day of May and November in each year to the sinking fund of the water stock.

Sinking fund.

Ibid., Sec. 12.

Checks, etc.

And no funds shall at any time be drawn from the Register unless duly authorized by the Water Board, and recorded on the journal; all checks, drafts or orders on the Register, so ordered by the Water Board, shall be signed by the President and Secretary of the Board.

Ibid., Sec. 12.

Monthly payments.

All claims upon the Board shall be paid monthly, and no payments shall be made unless the bill or claim be certified by the officer or other person duly authorized to make an agreement or contract for the Water Board, and all payments shall be ordered by the Board, and the order recorded on its journals.

No. 59, *Sec.* 1, *Aug.* 27, 1863.

Additional Reservoirs.

The Board of Water Commissioners is hereby authorized and empowered to proceed, with as little delay as possible, to the construction of one or more additional reservoirs for the supply of the city with water, with full power to do and perform all things necessary in accordance with the laws of the State and the ordinances of the city relating to supplying the city of Baltimore with water from Jones' Falls.[1]

P. L. L. Art. 4, *Sec.* 800.

Corporation may issue certificates of stock.

[1]The Mayor and City Council may, for the purpose of promoting or effecting any great or permanent improvement, issue stock in certificates of an amount not less than one hundred dollars each, transferable only in person or by letter of attorney, in books to be kept for that purpose in the office of the Register of the City; or may borrow money on the credit of

Ibid., Sec. 2.

In order to meet the disbursements required by this ordinance, the Commissioners of Finance are hereby authorized and directed to issue bonds of the city of Baltimore to the amount of three hundred thousand dollars, or so much thereof as may be needed from time to time, bearing interest at the rate of six per centum per annum, payable half yearly on the first day of May and the first day of November in each and every year, and redeemable at any time, at the pleasure of the city, after the first day of July, 1872; dispose of the same at market price and deposit the proceeds with the City Register, subject to the order of the Board of Water Commissioners; and should the bonds command a premium, the Register shall set aside said premium to be added to the sinking fund hereinafter provided for; and from and after the passage of this ordinance there shall be annually levied six cents on every hundred dollars' worth of assessable property in the city of Baltimore for the payment of the interest and to constitute a sinking fund, of which the Register shall be the trustee, for the redemption of the debt hereby created; said levy to cease as soon as a sufficient sum has been thus realized to pay the principal and interest of the bonds authorized to be issued as aforesaid, and all expenses attending the same.

Commissioners of Finance to issue stock.

Sell at market price.

Deposit with Register.

Sinking fund

Six cents annual levy.

Redemption of debt.

No. 7, Feb, 12, 1864.

The bonds issued for the construction of the new reservoir, as provided for in above Ordinance No. 59, August 27, 1863, shall be redeemable at any time at

Issue.

the corporation; provided, the amount of stock so created and issued, or money borrowed, shall at no one time exceed one million of dollars, exclusive of all debts created under special Acts of Assembly for the purposes in the said Acts specified. City Code, 1893, Sec. 800.

Amount.

the pleasure of the city after the first day of July, 1875, and from this date there shall be annually levied three cents on every hundred dollars of assessable property in the city of Baltimore for the payment of the interest and to constitute a sinking fund for the payment of the bonds authorized by said ordinance.

Sinking fund.

No. 51, *June* 28, 1865.

In order to meet the disbursements required by Ordinance No. 59, August 27, 1863, the Commissioners of Finance are hereby authorized and directed to issue bonds of the city of Baltimore to the amount of one hundred thousand dollars, or so much thereof as may be needed, bearing interest at the rate of six per centum per annum, payable half-yearly, on the first day of May and the first day of November, in each and every year, and redeemable at any time at the pleasure of the city after the first day of May, 1875; dispose of the same at not less than their par value, deposit the same with the City Register, subject to the order of the Board of Water Commissioners; and should the bonds command a premium, the Register shall set aside said premium to be added to the sinking fund provided for in said ordinance, and the interest on the bonds hereby authorized to be issued shall be paid out of the levy provided in said ordinance.

Bonds to be issued.

No. 1, *Sec.* 1, *Feb.* 1, 1866.

The Commissioners of the Water Board are hereby authorized and empowered to purchase the necessary lands, water-rights and property that may be required for an increased supply of water for the use of the city of Baltimore, if such lands and water-rights can be purchased at such prices and upon such terms as the Water Board may deem just and reasonable.

Lands and water rights.

Ibid., Sec. 2.

Bonds for water stock.

The Commissioners of Finance are hereby authorized and directed to issue bonds of the city of Baltimore as provided in Public Local Laws (of 1860), Article 4, Section 928, to be denominated on their face "Baltimore Water Stock," to the amount of one hundred and forty-five thousand dollars, or so much thereof as may be necessary, bearing interest at six per cent. per annum, payable half-yearly, on the first day of May and November in each year, redeemable at any time after the year 1875, and apply the proceeds to the payment of said lands, water-rights and property.

Ibid., Sec. 3.

Levy water tax.

There shall be levied annually two cents on every hundred dollars of assessable property, in addition to the sum levied by the provisions of Ordinance No. 59, 1863, the proceeds of said levy, and the premium on the sales of the water-stock, hereby authorized to be issued, to be applied to the payment of interest, and to the sinking fund as provided in Section 2 of Ordinance No. 59, of 1863.

Ibid., Sec. 4.

Water Board empowered to sell surplus lands.

In the event of the Water Board making the purchases as herein provided, and in case more land and property may be included than may be required for an ample supply of water to the city, for domestic, mechanical, manufacturing, sanitary and other purposes, then the said Water Board are hereby authorized and empowered to sell such surplus land or other property, and pay over the proceeds to the Commissioners of Finance, to be applied to the redemption of the debt hereby created.[1]

[1]Ordinance No. 28, April 5, 1866, recites that the Mayor and City Council, by an ordinance approved February 1, 1866, authorized the Commissioners of the Water Board to purchase lands, water-rights and property

No. 33, *April* 19, 1866.

Issue of bonds.

Amount.

In order to meet the disbursements required by Ordinance No. 59, August 26, 1863, the Commissioners of Finance are authorized and directed to issue bonds of the city of Baltimore to the amount of one hundred and fifty thousand dollars, bearing interest at the rate of six per centum per annum, payable half-yearly, on the first day of May and the first day of November in each and every year, and redeemable at any time at the pleasure of the city after the first day of May, 1875; dispose of the same and deposit the proceeds with the City Register, subject to the order of the Board of Water Commissioners; and should the bonds command a premium, the Register shall set aside said premium, to be added to the sinking fund provided for in said Ordinance No. 59, and the interest on the bonds hereby authorized to be issued, shall be paid out of the levy provided in said ordinance.

No. 83, *Sec.* 1, *Oct.* 3, 1866.

To capitalize stock.

The Commissioners of Finance are hereby authorized and empowered to issue one hundred and fifty thousand dollars of water-stock (for the purpose of capitalizing that amount expended for the extension of water-mains), redeemable after the year 1875, bearing interest at the rate of six per centum, payable

that may be required for an increased supply of water for the use of the city of Baltimore; and that the said commissioners have purchased certain water-rights, lands and other property in the Great Falls of the Gunpowder, therefore, it enacts that the sale and conveyance to the city of Baltimore by Edward Patterson, Jr., Samuel Smith Patterson and Robert Patterson, by their deed, dated February 6, 1866; also the sale and conveyance made by Eliza George, widow, and others, her children, by their deed, dated February 9, 1866; and also the sale and conveyance made by the Gunpowder Copper Works, by its deed, made February 8, 1866, be and the same are hereby approved and confirmed by the Mayor and City Council of Baltimore.

semi-annually, on the first day of May and November, and transferable as other city stocks are, and sell the same at not less than the current price of other city stocks, the proceeds of the same to be placed to the credit of the Water Board.

No. 5, Feb. 23, 1867.

Additional lands and water rights.

Glen Ellen and Summerfield and Rockwood.

Proviso.

The Commissioners of the Water Board are hereby authorized and empowered to purchase any additional and necessary lands, water-rights and property that may be required for an increased supply of water for the use of the city of Baltimore, if such lands and water-rights can be purchased at such prices and upon such terms as the Water Board may deem just and reasonable, provided the sum paid for the same does not exceed the sum of one hundred and twenty thousand dollars.

Ibid., Sec. 2.

Bonds.

Amount.

The Commissioners of Finance are hereby authorized and directed to issue bonds of the city of Baltimore, as provided in Public Local Laws, to be denominated on their face "Baltimore Water Stock," to the amount of one hundred and twenty thousand dollars, or so much thereof as may be necessary, bearing interest at six per cent. per annum, payable half-yearly, on the first day of May and November in each year, redeemable at any time after the year 1875, and apply the same, or proceeds thereof, under the direction of the Water Board, to the payment of said lands, water-rights and property.

Ibid., Sec. 3.

Tax levied.

There shall be levied annually two cents on every hundred dollars of assessable property, in addition to the sum levied by the provisions of Ordinance No. 59, 1863, the proceeds of said levy and the premium on

How applied.

the sales of the water-stock hereby authorized to be issued, to be applied to the payment of interest and to the sinking fund, as provided in Section 2 of Ordinance No. 59, 1863.

MAIN TO LOCUST POINT.

No. 31, Sec. 1, May 4, 1867.

To lay ten-inch main.

The Board of Water Commissioners is hereby authorized and empowered to lay a ten-inch water-main from the corner of Montgomery and Hanover streets, by way of Fort avenue, to Locust point.

Ibid., Sec. 2.

Bonds.

Amount.

In order to meet the disbursements required by this ordinance, the Commissioners of Finance are hereby authorized and directed to issue bonds of the city of Baltimore to the amount of twenty-five thousand dollars, or so much thereof as may be needed from time to time, bearing interest at the rate of six per centum per annum, payable half-yearly, on the first day of May and the first day of November in each and every year, and redeemable at any time at the pleasure of the city after the first day of July, 1875; dispose of the same at market price and deposit the proceeds with the City Register, subject to the order of the Board of Water Commissioners; and should the bonds command a premium, the Finance Commissioners shall set aside said premium to be added to the Water-Stock Sinking Fund No. 2, and there shall be annually levied one-half cent on every hundred dollars worth of assessable property in the city of Baltimore, for the payment of the interest, and to constitute a sinking fund, of which the Commissioners of Finance shall be the trustees, for the re-

To sell at market price.

Tax levied.

demption of the debt hereby created; said levy to cease as soon as a sufficient sum has been realized to pay the principal and interest of the bonds authorized to be issued as aforesaid, and all expenses attending the same.

No. 37, May 15, 1867.

To issue bonds to meet disbursements of Water Board.

In order to meet the disbursements required by Ordinance 59, August 27, 1863, the Commissioners of Finance are authorized and directed to issue bonds of the city of Baltimore to the amount of one hundred and fifty thousand dollars, bearing interest at the rate of six per centum per annum, payable half-yearly, on the first day of May and the first day of November in each and every year, and redeemable at any time at the pleasure of the city after the first day of May, 1875; dispose of the same and deposit the proceeds with the City Register, subject to the order of the Board of Water Commissioners; and should the bonds command a premium, the Register shall set aside said premium to be added to the sinking fund provided for in said Ordinance 59, and the interest on the bonds hereby authorized to be issued shall be paid out of the levy provided in said ordinance.

No. 32, April 15, 1870.

Authorizing the Register to issue Baltimore water stock not exceeding $370,000, in addition to amount already issued.

The Register of the City is hereby authorized and directed to issue in the name and on behalf of the Mayor and City Council of Baltimore, certificates of debt, to be denominated on their face, "Baltimore Water Stock," to an amount not exceeding in the whole three hundred and seventy thousand dollars, in addition to the amount which under existing ordinances has been issued or is authorized to be issued,

When. for the purposes connected with the supply of water for said city of Baltimore, which certificates shall be issued from time to time, as the same may be demanded by the Water Board of the city of Baltimore;

Purposes. and the said certificates and the proceeds from the sale of the same, shall be used for the purposes mentioned in the nine hundred and thirty-ninth section of Article 4 of the Code of Public Local Laws of Maryland [of 1860], relating to Baltimore city, as the same was amended and re-enacted by the General Assembly at the January session of eighteen hundred and seventy; provided, that said certificates shall not be issued until this ordinance shall be approved by a majority of such of the votes of the legal voters of the city of Baltimore as may be cast at the time and places hereinafter designated.

Proviso.

Not to be issued until approved by majority of voters.

Ibid., Sec. 2. The said certificates shall be issued in sums of not less than one hundred dollars each, redeemable at the pleasure of the Mayor and City Council of Baltimore, after the expiration of the year eighteen hundred and seventy-five, and bearing interest at the rate of six per cent. per annum, payable semi-annually, on the first days of May and November in each and every year, and transferable as other city stocks are transferable.

How issued.

Interest payable semi-annually.

Ibid., Sec. 3. This ordinance shall be submitted to the legal voters of the city of Baltimore for their approval or disapproval, at an election to be held on Thursday, the twenty-first day of April, eighteen hundred and seventy, on which day polls shall be opened in the various precincts of the said city, at the usual places

Ordinance to be submitted to vote of people.

of voting in said precincts; said polls to be opened and close at the same time as provided by law for other elections; at which said election each of the said voters that shall approve the adoption of this ordinance shall deposit a ticket or ballot, on which shall be written or printed the words "for the water ordinance;" and each of the said voters that shall be opposed to the adoption of this ordinance shall deposit a ticket or ballot, upon which shall be written or printed the words "against the water ordinance." Ballots.

Immediately after the closing of the polls the judges of election in the several precincts shall count the ballots deposited at said election, and shall make return to the Mayor of the city of Baltimore of the number of votes cast "for the water ordinance" and the number of votes cast "against the water ordinance;" and if a majority of the said votes shall have been cast in favor of the ordinance, the said Mayor shall certify the fact to the Presidents of the respective Branches of the City Council, and this ordinance shall take effect from the date of the said certificate.[1] *Ibid., Sec. 4.* Returns of election. Mayor to certify to presidents of both branches of Council.

A copy of this ordinance and notice of the time of holding said election shall be published in at least four of the daily newspapers of the city of Baltimore until the said election. *Ibid., Sec. 5.* Publication.

The City Comptroller is hereby authorized and directed to have printed tickets of the description mentioned in Section 3 of this ordinance, and placed at all the polls of the said city on the day of the said *Ibid., Sec. 6.* Tickets.

[1]This ordinance was approved by voters.

Expenses.

election; and the Register is hereby authorized and directed to pay the expenses of the said printing and publication provided for in the preceding section out of any moneys in the treasury not otherwise appropriated.

GUNPOWDER RIVER.

Ord. Feb. 12, 1874, *Sec.* 1.

The Register of the City, upon notice from the Commissioners of Finance, and from time to time, as in their judgment the same may be required, is hereby

Issue of bonds to amount $4,000,000.

authorized and directed to issue the bonds of the city, in addition to any water stock heretofore authorized, to an amount not exceeding four millions of dollars,

Disposition of bonds.

and the said bonds shall be sold or disposed of, by the said Commissioners of Finance, and the proceeds therefrom shall be placed in the hands of the City Register, to the credit of the Water Board of the city of Baltimore, to be paid upon the warrant of said Water Board and applied to the prosecution of the

Waters of Gunpowder River.

work of introducing the waters of the Gunpowder River into the city of Baltimore, as provided for by an ordinance approved October 25, 1872, No. 115, and any supplement or amendment that may be made thereto.

Ibid., Sec. 2.

Bonds.

The said bonds shall be issued in sums of not less than one hundred dollars each, redeemable at the pleasure of the Mayor and City Council of Baltimore, after the first day of July, 1894, bearing interest at the rate of six per centum per annum, payable semi-annually, on the first day of May and the first day of November, and on condition that the city of Balti-

more shall pay all State tax for which the holders of said bonds may thereon be legally liable; and the said bonds, or such part thereof as the said commissioners may deem it best so to issue, shall by their direction be issued as registered bonds, transferable as other city bonds; or the same or such part thereof as the said commisioners may deem it best so to issue shall by their direction be issued with coupons attached, transferable by delivery, and with interest and principal payable in gold, or to make them payable, principal and interest in London, in sterling money. State taxes.

The sum of four cents on each one hundred dollars of the assessed value of the assessable property in the city of Baltimore, and in like proportion for any greater or less amount, shall be annually levied upon the same; and the proceeds of said tax when collected shall be paid over to the Commissioners of Finance, to be by them applied to the establishment of a sinking fund for the redemption of the bonds herein provided for. *Ibid., Sec. 3.* Levy. Sinking fund.

This ordinance shall be submitted to the legal voters of the city of Baltimore for their approval or disapproval, at an election to be held on the day of the general election in November, after the passage of an Act of the General Assembly of Maryland, authorizing the issue of the additional bonds herein provided for, and the approval of such act by the Governor, on which day polls shall be opened in the various precincts of the said city at the usual places of voting in said precincts; said polls to be opened *Ibid., Sec. 4.* Submission to voters.

and closed at the same time as provided by law for other elections; at which election each voter who may approve the adoption of this ordinance shall deposit a ticket or ballot, on which shall be written or printed the words "For the Water Ordinance," and each voter who may disapprove the adoption of this ordinance shall deposit a ballot or ticket on which shall be written or printed the words "Against the Water Ordinance."

Ibid., Sec. 5.

Returns from judges of election.

Immediately after the closing of the polls the judges of election of the several precincts shall count the ballots deposited at said election, and shall make return to the Mayor of the city of Baltimore of the number of votes cast "For the Water Ordinance" and the number of votes cast "Against the Water Ordinance;" and if a majority of the votes cast at said election shall be in favor of this ordinance, the Mayor shall certify the fact to the president of each branch of the City Council, and Sections one, two and three of this ordinance shall take effect on and from the date of said certificate.

Certificate from Mayor.

Ibid., Sec. 6.

Publication.

A copy of this ordinance and notice of the day of holding the said election shall be published in at least four of the daily newspapers of the city of Baltimore, twice a week for two weeks preceding the said election.

Ibid., Sec. 7.

Tickets.

The City Comptroller is hereby authorized and directed to have tickets, of the description mentioned above, printed and placed at all the polls of the said city on the day of the said election, and the Register is hereby authorized and directed to pay the expense of said printing, publication and election out of any moneys in the treasury not otherwise appropriated.

Sections one, two and three of this ordinance shall not go into effect unless the debt herein proposed to be created shall be authorized by an Act of the General Assembly of Maryland, nor unless it shall have been approved by a majority of the votes cast at the election hereinbefore provided for.[1] *Ibid., Sec. 8.*

Authorization by Act of Assembly.

Approval by majority of voters.

This ordinance was submitted to the voters and duly approved.

LAKE CLIFTON.

Acts of 1882, c. 351.

An Act to authorize the Mayor and City Council of Baltimore to issue its bonds or certificates of indebtedness to an amount not exceeding five hundred thousand dollars, for the purpose of providing means for the completion of Lake Clifton, on the line of the work for the introduction of the water of the Gunpowder Falls to the city of Baltimore, and to provide means for the purchase and laying in said city of distributing-mains therein.

SECTION 1. Be it enacted by the General Assembly of Maryland, That the Mayor and City Council of Baltimore be and is hereby authorized to issue bonds or certificates of indebtedness, to an amount not exceeding five hundred thousand dollars, from time to time as the same may be required, paya-

[1]By the Act of 1874, Chapter 209, the Mayor and City Council is authorized to issue bonds, in addition to any water stock heretofore authorized, to an amount not exceeding the sum of four millions of dollars, as provided for in an ordinance of the said Mayor and City Council, entitled "An ordinance to provide means for the introduction of the waters of the Gunpowder River, in order to furnish an additional supply of water to the city of Baltimore, approved February 12, 1874, and according to the terms, conditions and provisions of said ordinance, and for the purposes thereof.

ble at such time and bearing such rate of interest, not exceeding five per centum per annum, as the said Mayor and City Council of Baltimore shall provide by ordinance to be adopted at the present session of the City Council of Baltimore; the proceeds of said bonds or certificates of indebtedness to be applied to the exclusive purpose of constructing and completing Lake Clifton, as proposed to be constructed on the line of work for the introduction of water of the Gunpowder Falls to the city of Baltimore, and for procuring and laying of iron pipes or mains for the purpose of distributing said water to and among the inhabitants of said city; provided, however, that the said bonds or certificates of indebtedness shall not be issued until the ordinance which the said Mayor and City Council of Baltimore are hereby authorized to enact providing for such issue shall be approved by a majority of the legal voters of the said city, cast at the time and places to be appointed by said ordinance in the provision for submitting the same to the legal voters of said city, as required by Section 7, Article 11, of the Constitution of Maryland.

SEC. 2. And be it further enacted, That this Act shall take effect from the date of its passage.

The following ordinance was submitted to the people and ratified October 25, 1882.

An Ordinance authorizing the issue of stocks or bonds of the city of Baltimore, to the amount of five hundred thousand dollars, for the purpose of completing Lake Clifton on the line of the work for introducing the water of the Gunpowder Falls to the city of Baltimore, and for providing iron pipes to be laid in the streets for distributing said water through said city, and to the inhabitants thereof.

No. 91, approved May 25, 1882.

SECTION 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That provided this ordinance shall be approved by the popular vote at the election hereinafter directed to be held, as soon as said approval shall be duly certified to the Mayor, the Department of Finance shall advertise for the period of twenty days in four daily newspapers published in Baltimore city (one of them in the German language), and in at least one of the daily newspapers of the city of New York, asking proposals for the purchase of the whole or any part of the stock or bonds by this ordinance authorized to be issued, which advertisement shall state the purpose of issuing the same, and shall reserve to the said department the right to reject any or all such proposals as may be made, and shall stipulate that upon the acceptance of any proposal the party or parties making the same shall, upon notice thereof, deposit with said Department of Finance five per centum of the amount as a pledge and guarantee to the city for the performance on his or their part of the proposed agreement; and within three days after the period of said advertisement the Department of Finance may accept or reject any proposal which shall have been made, or accept any one or more of the same and reject the remainder thereof, and may thereafter sell such of said bonds or stocks as may not have been negotiated for as in its judgment may be for the best interest of the city; provided, however, that it shall not at any time accept a proposal for less than the par value thereof; and the proceeds of all sales of said stock or bonds shall be applied to the completion of Lake Clifton, as proposed to be constructed by the Water Board of the

Department of Finance to advertise for proposals for stock authorized to be issued.

To accept or reject any proposal within three days after the period of advertisement.

Not to accept a proposal for less than par value.

How proceeds are to be applied.

city of Baltimore, and to the purchase and laying of iron pipes in said city for the distribution of water therein, under such plan and in such manner as said Water Board shall, under existing ordinances, adopt.

Register to issue $500,000 stock.

Description of stock.

SEC. 2. And be it further enacted and ordained, That the Register of the city be and he is hereby authorized and directed, upon notice from the Finance Department, and from time to time as the same may be required, to issue stock or bonds of the city of Baltimore, in such form as the said department may determine upon, to an amount not exceeding five hundred thousand dollars, in sums of one hundred dollars or multiples thereof, redeemable at the pleasure of the Mayor and City Council of Baltimore on and after the first day of November, in the year nineteen hundred and twenty-two, bearing interest at the rate of four per centum per annum, payable semi-annually on the first day of May and the first day of November, and conditioned that the city shall pay all taxes which may be imposed upon said stock or bonds by the State of Maryland; and the said stock or bonds, or any part thereof, shall, in the discretion of the Department of Finance, be issued as registered stock or as bonds with coupons attached, transferable by delivery; and the stock or bonds shall be convertible without charge, one to the other, at the pleasure of the holder, and the proceeds therefrom shall be placed in the hands of the City Register to the credit of the Water Board and applied by it to the objects and purposes mentioned in the first section of this ordinance, under the powers and authority vested in said Board by existing ordinances.

Tax of one-half cent levied to create sinking fund.

SEC. 3. And be it further enacted and ordained, That the sum of one-half cent shall be annually levied on each one hundred dollars of the assessed value of property in the city of Baltimore, and in like proportion for a greater or less amount; and the proceeds of such tax shall, when collected, be paid over to the Department of Finance, to be by it applied to the creation of a sinking fund for the redemption of the stock or bonds herein authorized to be issued, until the same, with its accumulated interest, shall be sufficient to discharge the said loan.

To be submitted to the legal voters of the city.

SEC. 4. And be it further enacted and ordained, That this ordinance shall be submitted to the legal voters of the city of Baltimore for their approval or disapproval, at an election to be held on the twenty-fifth day of October, eighteen hundred and eighty-two; and each voter who may approve the adoption of this ordinance shall deposit a ticket or ballot on which shall be written or printed, "Additional Water Loan—For the Ordinance;" and each voter who may disapprove the adoption of this ordinance shall deposit a ticket or ballot on which shall be written or printed, "Additional Water Loan—Against the Ordinance."

Mayor to communicate the result of election to the Council.

SEC. 5. And be it further enacted and ordained, That immediately after the closing of the polls the judges of election of the several precincts shall count the ballots deposited at said election, and shall properly and truly certify and return to the Mayor the number of votes cast for the ordinance and the number cast against it, and the Mayor shall communicate the same to the Council at its next meeting thereafter.

Copy of ordinance and date of election to be published.

SEC. 6. And be it further enacted and ordained, That a copy of this ordinance and notice of the day of holding the said election shall be published in at least four of the daily newspapers of the city of Baltimore (one of them in the German language), twice a week for two weeks preceding said election.

City Comptroller.

SEC. 7. And be it further enacted and ordained, That the City Comptroller be and he is hereby authorized and directed to make all necessary provisions for holding said election, and to have tickets of the description hereinbefore mentioned printed and placed at all the polls of the city on the day of the election; and that the City Register is hereby authorized and directed to pay the expenses of said printing, publication and election out of any money in the treasury not otherwise appropriated, or out of any premium that may be realized from the sale of said stock or bonds.

City Register.

Acts of 1886, Chapter 121.

An Act to authorize the Mayor and City Council of Baltimore to issue its bonds or certificates of indebtedness to an amount not exceeding one million dollars, for the purpose of providing the means for the completion of Lake Clifton on the line of the work for the introduction of the water of Gunpowder Falls to the city of Baltimore, and to provide means for purchase and laying in the said city of distributing-mains therein.

SECTION 1. Be it enacted by the General Assembly of Maryland, That the Mayor and City Council of

Baltimore be and is hereby authorized to issue bonds or certificates of indebtedness to an amount not exceeding one million of dollars, from time to time as the same may be required, payable at such time and bearing such rate of interest not exceeding five per centum per annum as the said Mayor and City Council of Baltimore shall provide by ordinance to be adopted by the City Council of Baltimore; the proceeds of said bonds or certificates of indebtedness to be applied to the purpose of constructing and completing Lake Clifton, as proposed to be constructed on the line of work of the introduction of the water of Gunpowder Falls to the city of Baltimore, and for the acquisition of the necessary land in Baltimore county whereon to locate one or more reservoirs, and for the construction of said reservoir or reservoirs, and for obtaining such pumping machinery as may be necessary in connection therewith, and for procuring and laying of iron pipes or mains for the purpose of distributing said water to the inhabitants of said city; provided, however, that the said bonds or certificates of indebtedness shall not be issued until the ordinance which the said Mayor and City Council of Baltimore are hereby authorized to enact for such issue shall be approved by a majority of the legal voters of Baltimore city, cast at the time and places to be appointed by said ordinance in the provision for submitting the same to the legal voters of said city, as required by Section 7, of Article 11, of the Constitution of Maryland.

Issue of bonds.

For what purpose.

SEC. 2. And be it further enacted, That this Act shall take effect from the date of its passage.

When effective.

The following ordinance was submitted to the people and ratified October 27, 1886. See also Ordinance No. 99, approved October 5, 1887.

An Ordinance authorizing the issue of stocks or bonds of the city of Baltimore, to the amount of one million dollars, for the purpose of constructing and completing Lake Clifton as proposed to be constructed on the line of the work of the introduction of the water of Gunpowder Falls to the city of Baltimore, and for the acquisition of the necessary land in Baltimore county whereon to locate one or more reservoirs, and for the construction of said reservoirs, and for obtaining such pumping machinery as may be necessary in connection therewith, and for procuring and laying of iron pipes or mains for the purpose of distributing said water to the inhabitants of the said city.

No. 82, approved June 3, 1886.

SECTION 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That provided this ordinance shall be approved by the popular vote at the election hereinafter directed to be held, then as soon as said approval shall be duly certified to the

To advertise for proposals.

Mayor, the Department of Finance shall advertise for the period of twenty days in three daily newspapers published in Baltimore city (one of them in the German language), asking proposals for the purchase of the whole or any part of the stock or bonds by this ordinance authorized to be issued, which advertisement shall state the purpose of issuing the same, and shall reserve to the said department the right to reject any or all such proposals as may be made, and shall stipulate that upon the acceptance of any proposal the party or parties making the same shall, upon notice thereof, deposit with said Department of

Finance five per centum of the amount as a pledge and guarantee to the city for the performance on his or their part of the proposed agreement; and within three days after the period of said advertisement the Department of Finance may accept or reject any proposal which shall have been made, or accept any one or more of the same and reject the remainder thereof, and may thereafter sell such of said bonds or stocks as may not have been negotiated for as, in its judgment, may be for the best interest of the city; provided, however, that it shall not at any time accept a proposal for less than the par value thereof; and the proceeds of all sales of said stock or bonds shall be applied to the constructing and completing Lake Clifton, as proposed to be constructed on the line of the work of the introduction of the water of Gunpowder Falls to the city of Baltimore, and for the acquisition of the necessary land in Baltimore county whereon to locate one or more reservoirs, and for obtaining such pumping machinery as may be necessary in connection therewith, and for procuring and laying of iron pipes or mains for the purpose of distributing said water to the inhabitants of the said city, under such plan and in such manner as said Water Board shall adopt under the ordinances of the Mayor and City Council of Baltimore.

How the proceeds are to be applied.

Sec. 2. And be it further enacted and ordained. That the Register of the city be and he is hereby authorized and directed, upon notice from the Finance Department, and from time to time as the same may be required, to issue stock or bonds of the city of Baltimore, in such form as the said department may

To issue stock or bonds to the amount of $1,000,000.

Description of bonds.

determine upon, to an amount not exceeding one million dollars, in sums of one hundred dollars, or multiples thereof, redeemable at the pleasure of the Mayor and City Council of Baltimore, on and after the first day of November in the year nineteen hundred and twenty-six, bearing interest at the rate of three per centum per annum, payable semi-annually on the first day of May and the first day of November; and conditioned that the city shall pay all taxes which may be imposed upon said stock or bonds by the State of Maryland, and the said stock or bonds, or any part thereof, shall, in the discretion of the Department of Finance, be issued as registered stock, or as bonds with coupons attached, transferable by delivery; and the stock or bonds shall be convertible, without charge, from one to the other, at the pleasure of the holder, and the proceeds therefrom shall be placed in the hands of the City Register to the credit of the Water Board, and applied by it to the objects and purposes mentioned in the first section of this ordinance under the powers and authority vested in said Board by the ordinances of the Mayor and City Council of Baltimore.

Tax of one cent on each $100 to be levied

SEC. 3. And be it further enacted and ordained, That the sum of one cent shall be annually levied on each one hundred dollars of the assessed value of property in the city of Baltimore, and in like proportion for a greater or less amount; and the proceeds of such tax shall, when collected, be paid over to the Department of Finance, to be by it applied to the creation of a sinking fund for the redemption of the stock or bonds herein authorized to be issued, until

the same, with its accumulated interest, shall be sufficient to discharge the said loan.

To be submitted to the legal voters.

SEC. 4. And be it further enacted and ordained, That this ordinance shall be submitted to the legal voters of the city of Baltimore, for their approval or disapproval, at an election to be held on the twenty-seventh day of October, eighteen hundred and eighty-six; and each voter who may approve the adoption of this ordinance shall deposit a ticket or ballot on which shall be written or printed, "Additional Water Loan—For the Ordinance;" and each voter who may disapprove the adoption of this ordinance shall deposit a ticket or ballot on which shall be written or printed, "Additional Water Loan—Against the Ordinance."

Duty of judges of elections.

SEC. 5. And be it further enacted and ordained, That immediately after the closing of the polls the judges of election of the several precincts shall count the ballots deposited at said election, and shall properly and truly certify and return to the Mayor the number of votes cast for the ordinance, and the number cast against it, and the Mayor shall communicate the same to the Council at its next meeting thereafter.

To be advertised.

SEC. 6. And be it further enacted and ordained, That a copy of this ordinance and notice of the day of holding the said election shall be published in at least three of the daily newspapers of the city of Baltimore (one of them in the German language) twice a week for two weeks preceding said election.

Duty of City Comptroller.

SEC. 7. And be it further enacted and ordained, That the City Comptroller be and he is hereby authorized and directed to make all necessary provisions for holding said election, and to have tickets, of the description hereinbefore mentioned, printed and placed at all the polls of the city on the day of election; and that the City Register is hereby authorized and directed to pay the expenses of said printing, publication and election out of any money in the treasury not otherwise appropriated, or out of any premium that may be realized from the sale of said stock or bonds.

City Register to pay expenses

The following ordinance was submitted to the people and ratified October 27, 1887. See also Ordinance No. 82, approved June 3, 1886.

An Ordinance supplementary to and amendatory of Ordinance No. 82, of the Ordinances of the Mayor and City Council of Baltimore, approved June 3, 1886, providing for the issue of bonds or certificates of indebtedness of the city of Baltimore, for the purpose of constructing and completing Lake Clifton and other purposes therein mentioned.

Approved Oct. 5, 1886.

Whereas, by Chapter 121 of the Acts of the General Assembly of Maryland of 1886, the Mayor and City Council of Baltimore was authorized to issue bonds or certificates of indebtedness to an amount not exceeding one million of dollars ($1,000,000), from time to time as the same may be required, for the purpose of providing by the sale of said bonds or certificates of indebtedness the means for the construction and completion of Lake Clifton, acquiring land for and constructing one or more reservoirs, ob-

taining pumping machinery for the same, and procuring and laying water pipes or mains for the purpose of distributing the water of the Gunpowder River to the inhabitants of the city of Baltimore; and whereas, it was further declared by the said Act of Assembly that said bonds or certificates of indebtedness should bear such rate of interest, not exceeding five per centum per annum, as the Mayor and City Council shall provide by ordinance; and whereas, the Mayor and City Council of Baltimore did, by Ordinance No. 82 of the Ordinances of 1886, make provision for the issue and sale of the bonds of the city of Baltimore to an amount not exceeding the sum of one million dollars ($1,000,000), and for the application of the proceeds of said bonds to the purposes set forth in the above referred to Act of Assembly of the State of Maryland, being Chapter 121 of the Acts of 1886; and whereas, it was provided by the said ordinance that the said bonds should bear interest at the rate of three per centum per annum, and should not be sold at less than the par value thereof; and whereas, the said ordinance was submitted to the vote of the legal voters of the city of Baltimore for their approval or disapproval at the election held in the said city of Baltimore on the 27th day of October, 1886, at which election the said ordinance was approved by a majority of the legal votes cast at the said election, and said ordinance is now in force; and whereas, since the passage and approval by the people of said ordinance it has been ascertained by the Department of Finance of the city of Baltimore that it may be impossible at this time to sell the said bonds of the city of Baltimore bearing

Preamble.

Preamble.

three per cent. interest at the par value thereof; and as it is necessary for the proper execution of the works connected with the Water Department mentioned in the said ordinance and the Act of Assembly above mentioned that the Department of Finance should from time to time be able to issue and dispose of the bonds which, by said Act of Assembly, the Mayor and City Council of Baltimore was authorized to issue and dispose of; and to this end it is necessary that the above-mentioned ordinance, as heretofore passed by the Mayor and City Council of Baltimore, and approved by the vote of the voters of Baltimore city should, to the extent hereinafter enacted and ordained, be amended; therefore

$1,000,000 bonds authorized to be issued, to bear 4 per cent. instead of 3 per cent. interest.

SECTION 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That the one million of bonds or stock of the city of Baltimore, for the issue and sale of which provision is made by Ordinance No. 82 of the Ordinances of 1886, approved June 3, 1886, shall bear interest at the rate of four (4) per cent. per annum instead of the rate of three (3) per cent. per annum, as fixed in the said Ordinance No. 82 of the Ordinances of 1886; and that the provision in the said Ordinance No. 82 of the Ordinances of 1886, which prohibits the Department of Finance from selling said bonds for less than the par value thereof, be and the same is hereby repealed; but all the other provisions of the said Ordinance No. 82 of the Ordinances of 1886 in reference to the said bonds or stock shall stand, remain and be executed as therein set forth.

To be submitted to the legal voters.

SEC. 2. And be it further enacted and ordained, That this ordinance shall be submitted to the legal voters of Baltimore city for their approval or disapproval at an election to be held on the 26th day of October, 1887, and each voter who shall approve the adoption of this ordinance shall deposit a ticket or ballot on which shall be written or printed, "Amendment to Water Ordinance—For the Ordinance," and each voter who may disapprove the adoption of this ordinance shall deposit a ticket or ballot on which shall be written or printed, "Amendment to Water Ordinance—Against the Ordinance."

Duty of judges of election.

SEC 3. And be it further enacted and ordained, That immediately after the closing of the polls the judges of election of the several precincts shall count the ballots deposited at said election, and shall properly and truly certify and return to the Mayor the number of votes cast for the ordinance and the number of votes cast against it, and the Mayor shall communicate the same to the Council at the next meeting thereafter; and if a majority of said votes shall be cast for said ordinance, the said ordinance shall become operative; but if a majority of said votes shall be cast against said ordinance, it shall be null and void.

Copy of this ordinance and notice of election to be published.

SEC. 4. And be it further enacted and ordained, That a copy of this ordinance and notice of the day of holding the said election shall be published in at least three of the daily newspapers in the city of Baltimore (one of them in the German language) twice a week for two weeks preceding the election.

Duty of City Comptroller and Register.

SEC. 5. And be it further enacted and ordained, That the City Comptroller be and he is hereby authorized and directed to make all necessary provisions for the holding of said election, and to have tickets of the description hereinbefore mentioned printed and placed at all the polls of the city on the day of election; and that the City Register is hereby authorized and directed to pay the expenses of said printing, publication and election out of any money in the treasury not otherwise appropriated, or out of any premium that may be realized from the sale of said stocks on bonds.

WATER LOAN, ACT OF 1894.

Acts of 1894, Chapter 149, approved March 27, 1894.

Preamble.

An Act to authorize the Mayor and City Council of Baltimore to issue the stock of the said corporation to an amount not exceeding four million dollars for increasing the number of public parks by the purchase of Clifton and other parks, for an extension and enlargement of the water supply of the city of Baltimore and for laying additional water-mains therein, and for such other purposes as, in the judgment of the Mayor and City Council of Baltimore, will add to the efficiency of the water supply of Baltimore, and furnishing additional means for constructing the new Court-house.

May issue bonds.

SECTION 1. Be it enacted by the General Assembly of Maryland, That the Mayor and City Council of Baltimore be and is hereby authorized to issue the stock of the city of Baltimore for a sum not exceeding four million dollars; said stock to be issued from time to time, as the Mayor and City Council of Balti-

more shall by ordinance prescribe, the proceeds of said stock to be issued for the following purposes, or for such one or more of them as the Mayor and City Council of Baltimore may prescribe, viz.: For increasing the number of public parks by the purchase of Clifton or other parks; provided, the whole amount expended under this act and the ordinances passed in pursuance thereof for the purchase of additional parks shall not exceed one million dollars, and that the payment of the bonds issued therefor, and of the interest thereon, shall be primarily a charge upon the park tax received from the street railways, although the entire credit of the Mayor and City Council of Baltimore shall be pledged to the holders of the bonds for the payment of the said bonds and of the interest thereon; for an extension and enlargement of the water supply of the city of Baltimore and for laying additional water-mains therein, and for such other purposes as, in the judgment of the Mayor and City Council of Baltimore, will add to efficiency of the water supply of Baltimore; provided that the amount to be expended under this act and the ordinances passed in pursuance thereof for an extension and enlargement of the water supply of the city of Baltimore, and for laying additional water-mains therein, and for such other purposes as, in the judgment of the Mayor and City Council, will add to the efficiency of the water supply of Baltimore, shall not exceed the sum of two million dollars, and that the payment of the bonds issued therefor, and of the interest thereon, shall primarily be a charge upon the revenues of the Water Department, although the entire credit of the Mayor and City

Council of Baltimore shall be pledged to the holders of said bonds for the payment of said bonds and of the interest thereon; and for furnishing additional means, amounting to not more than one million dollars, for the construction of the new Court-house. If the Mayor and City Council shall elect not to provide for any one or more of the purposes above mentioned, then the amount hereby authorized to be issued for such purpose or purposes shall be deducted from the total amount of the issue hereby authorized, so that in no event shall the total issue of four million dollars be authorized except for use of the purposes and in the amounts above set forth, and for no other purposes and in no other amounts. The said stock shall be in such amounts, payable at such time or times, and shall bear such rate of interest as the said Mayor and City Council shall provide by ordinance; but the said stock shall not be issued unless the ordinance which the Mayor and City Council of Baltimore is hereby authorized shall be approved by a majority of the votes of the legal voters of the said city cast at the time and places to be appointed by said ordinance in the provision of submitting the same to the legal voters of said city, as required by Section 7, Article 11, of the Constitution of Maryland.

Question to be voted on.

SEC. 2. And be it enacted, That this Act shall take effect from the date of its approval.

The following ordinance was submitted to the people and ratified by them:

An Ordinance to authorize the Mayor and City Council of Baltimore to issue the stock of the said corporation to an amount not exceeding four million dollars for increasing the number of public parks by the acquirement by condemnation of Clifton or other parks; for an extension and enlargement of the water supply of the city of Baltimore, and for laying additional water-mains therein; and for such other purposes as, in the judgment of the Mayor and City Council of Baltimore, will add to the efficiency of the water supply of the city of Baltimore, and for furnishing additional means for constructing the new Court-house in pursuance of the Act of Assembly of Maryland, Chapter 149 of the Acts of 1894.

Whereas, By an Act of Assembly passed at the session of the General Assembly of the State of Maryland in 1894, Chapter 149, the Mayor and City Council of Baltimore were authorized to issue stock of the city of Baltimore to the amount of four million dollars for the purposes and in the manner therein indicated; and

Preamble.

Whereas, The Mayor and City Council of Baltimore consider it wise and for the public interest to exercise the powers and authority by the said Act conferred upon them; therefore,

Preamble.

SECTION 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That the Commissioners of Finance be and they are hereby authorized and directed to issue the registered stock or bonds of the city to the amount of four million dollars from

No. 137, approved Oct. 5, 1894.

Authority to issue $4,000,000 bonds.

time to time as the same may be required for the purposes hereinafter named, and that the said stock or bonds shall be sold by the Commissioners of Finance from time to time and at such times as shall be requisite, and the proceeds of sale of said bonds shall be used for the purposes hereinafter mentioned and for no other purpose whatever; that is to say:

$2,000,000 for the enlargement of the water supply.

Two million dollars, or so much thereof as may be required, of the proceeds of the sale of said stock or bonds shall be used for an extension and enlargement of the water supply of the city of Baltimore and for laying additional water-mains therein, and for such other purposes as, in the judgment of the Mayor and City Council of Baltimore, will add to the efficiency of the water supply of Baltimore; provided that the payment of the two million dollars of stocks or bonds last above authorized to be issued shall primarily be a charge upon the revenues of the Water Department, although the entire credit of the Mayor and City Council of Baltimore shall be pledged to the holders of said bonds for the payment of said bonds and of the interest thereon, and that a covenant to that effect shall be inserted in said bonds or stock.

Description of bonds to be issued.

SEC. 2. And be it further enacted and ordained, That the said bonds shall be issued in sums of not less than one hundred dollars each, redeemable on the first day of March, 1945, and bearing interest at the rate of not more than four per centum per annum, as may be determined by the Commissioners of Finance of Baltimore city; said interest to be payable semi-annually on the first days of March and September in each and every year, and on condition that the

Mayor and City Council shall pay all taxes imposed by the State of Maryland for which the holders of said bonds may be thereon legally liable.

SEC. 3. And be it further enacted and ordained, That the sum of one-half cent on every hundred dollars' worth of assessable property in the city of Baltimore, and in like proportion for any greater or less amount, shall be annually levied upon the same, and the proceeds of said tax, when collected, shall be paid over to the Commissioners of Finance, to be by them applied to the establishment of a sinking fund for the redemption of the bonds herein provided for, for furnishing additional means for constructing the new Court-house. That the Park Commission shall each quarter, upon the receipt from the several street railway companies in the city of Baltimore of the park tax, pay over to the Commissioners of Finance of Baltimore city five per centum of said park tax, to be by the said Commissioners of Finance applied as a sinking fund for the redemption of the stock or bonds herein provided for increasing the number of parks in Baltimore city by the acquirement by condemnation of Clifton and other parks. That the said Commissioners of Finance shall also provide out of the moneys secured by the City Register from the Water Registrar, under the provisions of Sections 7 and 8 of Article 54 of the Baltimore City Code of 1893, a sinking fund for the redemption of the stock or bonds herein provided for, for an extension and enlargement of the water supply of Baltimore city and for laying additional water-mains therein, and for such other purposes as, in the judgment of the Mayor and City Council of Baltimore, will add to the efficiency of the water supply of the city of Baltimore.

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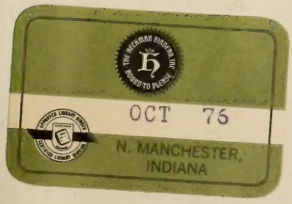
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